

EPA REGION 6 SURVEILLANCE SECTION AIR INSPECTION REPORT

| Report Date | : | August 8, 2007 | | |
|----------------------|--------------------------|---|-------------------|-----------------|
| Inspection Date: | | July 5, 2007 | | |
| Type of Inspection: | | Full Compliance Evaluation | | |
| Company Name: | | Lisbon Processing LLC. | | |
| Mailing Address: | | 18647 Highway 2, Lisbon, LA 71048 | | |
| Location: | | Approximately 4 miles east of Lisbon, LA on Highway 2. | | |
| Corporate Add | ress | Same as mailing address. | | |
| Type of Industry: | | Facility reported themselves as a Petroleum Bulk Station & Terminal (5171) however, since the incoming petroleum byproduc is further processed onsite to remove the sulfur and mercaptans this SIC does not seem appropriate. | | |
| SIC # | | 5171 (see above) | | |
| AFS# | | None | | |
| Enforcement Officer: | Richard R | Raybourne (6EN-AA) | Signature | Date |
| EPA Inspector(s): | Greg Valentine (6EN-AS) | | Signature Control | 9/11/07 Date |
| Reviewed by: | David Robertson (6EN-AS) | | Signature | 7/12/07 Date |

Executive Summary:

This inspection report is comprised of four sections numbered I through IV:

Section I includes the purpose of the inspection, introduction, process description, onsite inspection summary, potential to emit, map(s) of facility and address for correspondence.

Section II includes documents requested and applicable regulations and construction/modifications dates.

Section III includes compliance status of applicable EPA regulations. Findings reported in Section III of this report should not preclude any further enforcement documentation review, legal review or further enforcement action.

Section IV includes areas of concern.

Section (I)

I. Purpose

On July 5, 2007, a multimedia - Clean Air Act (CAA), Resource Conservation and Recovery Act (RCRA) and Clean Water Act (CWA) - full compliance evaluation (FCE) was conducted at the Lisbon Processing, LLC facility (Lisbon) located at 18647 Highway 2, Claiborne Parish, Lisbon, Louisiana. This report covers only the CAA portion of the FCE. The FCE focused on all applicable new source performance standards (NSPS) regulations. The Lisbon facility was inspected for the following:

40 CFR Part 60 - NSPS

Subpart A – General Provision

Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After June 11, 1973, and Prior to May 19, 1978

Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage, Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

During the onsite evaluation, I verified applicability of regulations, source status (area or major, new or existing), compliance dates, notification requirements, inspection requirements, monitoring records and if compliance status reporting and certifications had been conducted. Compliance with Federal Regulations and Areas of Concern are provided on Page 9 and Page 12, respectively, of this report.

II. Introduction

I was accompanied by EPA inspectors David Robertson (RCRA) and Juan Ibarra (CWA) during the inspection. Mr. Paul Huff, Plant Manager, and Ms. Cassie Howard, Office Manager were the facility representatives for Lisbon during the inspection. Mr. Jody Thieman, Altec Environmental Engineer, located in Shreveport, Louisiana, acted as environmental consultant for Lisbon, provided information about the facility and access to the limited records and other paperwork the facility maintained. Mr. Keith Wilson from Wilson Fabrication Manufacturing Corporation, provided me with information pertaining to onsite storage tanks, tank inspections and control equipment via a phone interview during the onsite inspection.

The following personnel participated in this inspection:

| Name | Affiliation | Title | Contact Information |
|---------------|---|----------------|--|
| Paul Huff | Lisbon Processing, LLC | Plant Manager | Office: (318) 341-0235 |
| Cassie Howard | Lisbon Processing, LLC | Office Manager | Office: (318) 353-1310 Cell: (214) 676-4323 |
| Jody Thiemann | Altec Environmental | Engineer | Office: (318) 687-3771 jthiemann@altecenv.com |
| Keith Wilson | Wilson Fabrication Manufacturing Corporation. | Owner | No contact information collected |

| Greg Valentine | U.S. EPA | CAA Inspector | Office: (214) 665-3111 Fax: (214) 665-7446 valentine.greg@epa.gov |
|-----------------|----------|----------------|--|
| David Robertson | U.S. EPA | RCRA Inspector | Office: (214) 665-7363 Fax: (214) 665-7446 robertson.david@epa.gov |
| Juan Ibarra | U.S. EPA | CWA Inspector | Office: (214) 665-8493 Fax: (214) 665-7446 ibarra.juan@epa.gov |

III. Process Description:

Lisbon receives a petroleum byproduct they call "natural gasoline" from the Louis Dreyfus Olefins Plant (Louis Dreyfus) in Geismar, Louisiana and removes the mercaptans and sulfur via a proprietary process developed and owned by Mr. Ronnie Jackson of Paratech in El Dorado, Arkansas. According to Mr. Huff, the petroleum material is a co-product of the refining process at Louis Dreyfus containing five carbon chain (C5's) molecular products and higher, that can not be further refined due to the high sulfur and mercaptan content. Louis Dreyfus ships the petroleum byproduct in tanker trucks (each truck can hold approximately 190 to 200 barrels (~7,980 to 8,400 gallons)) to Lisbon. According to Mr. Huff, Lisbon receives approximately three trucks per day (~580 barrels/day (24,360 gallons/day)), seven days a week. Upon arrival at Lisbon the tanker trucks are unloaded and the petroleum byproduct is placed in onsite storage tanks, at the time of the inspection, Tank A1. The natural gasoline is then pumped into the desulphurization skid where it undergoes a caustic wash of sodium hydroxide (NaOH), where the sulfur and mercaptans are removed. The sulfur concentration of unprocessed petroleum byproduct is approximately 3,000 parts per million (ppm) and approximately 400 ppm for processed petroleum byproduct. According to Mr. Huff, the desulphurization skid can process approximately 70 barrels of the petroleum byproduct an hour. Following the desulphurization process, the lower sulfur petroleum byproduct is pumped to Tank F6 for storage, until Lisbon receives an order for the natural gasoline.

IV. Onsite Inspection Summary

July 5, 2007

Upon arrival at the facility, Mr. Robertson, Mr. Ibarra and I proceeded to the facility office where we met Mr. Huff. We presented our credentials and informed him of the purpose of our visit. Ms. Cassie Howard later introduced herself and again we presented our credentials. Mr. Huff and Ms. Howard informed us that Lisbon Processing applied for, but has not yet received an air permit, and that they were working with LDEQ to come into compliance with all applicable environmental regulations.

Mr. Huff informed us they received a petroleum byproduct, referred to as natural gasoline, from the Louis Dreyfus plant in Geismar, Louisiana. A Material Safety Data Sheet (MSDS) of this material is provided as **Attachment A**. According to Mr. Thieman, this MSDS is not very accurate. They process this material in a caustic wash process developed by Mr. Jackson, and then ship it offsite to customers when ordered. Processed material is shipped to facilities or pipelines in Quitman, Texas; Liberty, Mississippi; St. James, Louisiana; Placid Refinery in Port

Arthur, Texas; Valentine, Louisiana; and Valero in Krotz Springs, Louisiana. The processed material is approximately 72 octane when it is shipped offsite. According to Mr. Huff, processing at this facility began on March 23, 2007. Lisbon receives approximately three truck loads a day of this petroleum byproduct seven days a week. Each truck holds approximately 190 to 200 barrels of the material. According to Mr. Huff, tanks A1, D4, F6, H8, I9 and L12 are currently holding the Geismar material, Tank K11 is holding liquids (mostly water) from the June 2007 spill, tanks J10 and M13 are empty, tanks E5 and G7 are empty and Lisbon plans to dismantle them. Tanks B2 and C3 are empty and are being cleaned (bottoms removed) to prepare them for repairs.

Following the entrance briefing, we conducted a preliminary facility walk-through, to observe the facility. We proceeded along the eastern edge of the facility from the office towards tanks K11 and L12. We observed two USA Environmental tanker vacuum trucks (Attachment B, Photo 01) pumping material from tanks H8, I9, and L12 and delivering it to tank A1. Next, we observed tanks H8, I9, J10, K11 and L12 near the southeast corner of the facility (Photos 02, 03, 04 and 05). The berm next to tank L12 had been cut (Photo 03) to allow vacuum trucks better access to the storage tanks. According to Mr. Huff, all onsite storage tanks had internal floating roofs equipped with double seals, with the exception of tank L12, which had an internal floating roof equipped with only a single seal. Mr. Huff said that tank M13 had the double sealed internal floating roof installation completed the morning of this inspection, July 5, 2007. However, due to the high vapor pressure of the material within these tanks each tank should be equipped with closed-vent systems connected to a control device. Lisbon, according to Mr. Huff, is working with the LDEQ to come into compliance by installing either a chiller or pressurized tanks, due to the high vapor pressure (13.50 to 15.00 psia) of the petroleum byproduct.

Next, we proceeded around the north end of the berm surrounding tanks H8 through L12 where we observed a green "baker box" (**Photo 06**). The "baker box" was storing spill residue from the June 2007 spill. We then climbed on top of the berm surrounding tanks H8, I9 and J10, to observe the western side of the tanks and containment area. We were able to observe tanks G7 (**Photo 07**); F6, E5 and D4 (**Photo 08**); and B2 and A1 (**Photo 09**) from this location. We also observed two (2) vacuum trucks used for cleaning out onsite storage tanks (**Photo 09**). At the time of the inspection they were cleaning out tank C3. Videos showing leaking vents and/or manway hatches from storage tanks A1, B2, C3, D4 and F6 are provided in **Attachment B**.

We proceeded to tanks G7 and C3 (**Photos 10 and 11**) to conduct a closer inspection of these vessels. Both tanks had their manway hatches open at the time of the inspection. It appeared that no cleanout work was being conducted on tank G7 (**AOC 01**) at the time of the inspection. Mr. Robertson asked Mr. Huff about the black material lying on the ground outside the open manway hatch of tank G7. Mr. Huff told Mr. Robertson that the material was rust from the cleaning of the tank. USA Environmental appeared to be working on tank C3 at the time of the inspection. According to Mr. Huff, solids from tank C3 are being removed and placed in onsite roll-off boxes.

We continued the site walk-through in the central portion of the facility due east of tank C3. We observed a number of "baker boxes", roll-off boxes and frac tanks (Photos 12, 13, 14 and 16).

The manway hatch on one of the green "baker boxes" was observed (**Photo 12**) to be propped open with what appeared to be a large tree branch. No emissions were observed, with the FLIR® IR camera, coming from this hatch. The green frac tank (**Photo 13**) observed in this area contained liquids from cleanout of tanks C3, D4, F6, H8, I9 and L12. Mr. Huff informed us that a profile was being run on the material to determine how and where it can be disposed. Spill Oil Skim from the creek, creek water from the spill and remaining water from tank C3 were being stored in the black and brown frac tanks in this area (**Photos 14 and 16**). The hatch on the shorter brown frac tank, left most tank in **Photo 16**, was observed to be open at the time of the inspection and fumes were observed with the FLIR® IR camera. The rusty gray roll-off box on the left side of **Photo 16** contained solids from creek cleanup. According to Mr. Huff, all wastes from the spill cleanup were still onsite at the time of the inspection.

As we were walking from the central portion of the facility toward tanks A1 and B2, we observed yellow "caution" tape cordoning off an area around tank B2 (Photo 15). When asked why this area was cordoned off, Mr. Huff told us that the lower explosive limit (LEL) within this area had been exceeded. No onsite personnel were observed, by EPA, monitoring for LEL during the inspection. Closer examination of tank B2 showed that the manway hatch had been removed (Photo 17) and FLIR® IR Video footage (Video 08) showed large volumes of what is believed to be volatile organic compound (VOC) fumes coming from the hatch (AOC 01).

We next proceeded to the loading/unloading area (**Photo 19**) where we observed the two (2) unloading and one (1) loading stalls. From this location we were also able to observe the caustic storage tanks (**Photos 18, 21 and 22**). The pressure relief valve on the spent caustic storage tank (**Photo 21**, right most tank in **Photo 22**, left most tank in **Photo 18**) was shown, via the FLIR® IR camera, to be leaking VOC fumes (**Videos 06 and 07**). We were also able to observe the caustic wash processing unit (**Photo 20**), located near the northwest corner of the facility, from this location. This process is a proprietary process developed by Mr. Ronnie Jackson of Paratech. According to Mr. Huff, Mr. Jackson owns the process and is responsible for bringing in new caustic wash material and having the spent caustic removed. Spent caustic is shipped offsite approximately once a month. Mr. Huff did not know where the spent caustic material was sent when shipped offsite. Lisbon owns and is responsible for everything else onsite.

Following the preliminary walk-through of the facility, we returned to the office to conduct the file review portion of the inspection. I requested shipping manifests from Mr. Huff and Ms. Howard, who informed me that LDEQ had taken the logs during their inspection of the facility after the June 2007 spill. Ms. Howard was able to obtain Lisbon's Loading and Unloading Spreadsheets (Attachment C), which show that the first load of material was received at the facility on May 23, 2007, however, material was first shipped from the facility on April 1, 2007 (AOC 02). According to Ms. Howard, there was material in tank A1 that they shipped offsite prior to receiving any shipments at the facility. Mr. Huff and Ms. Howard did not know where this material was shipped. Lisbon may not have applied for an air permit prior to commencing operations at the facility (AOC 03). According to Mr. Huff, the last shipment of material from Geismar was received at Lisbon on June 30, 2007, however their loading and unloading log entries stop on June 22, 2007 and June 23, 2007, respectively (AOC 04).

I also requested copies of Lisbon's air permit application (Attachment D), tank dimensions and capacity records (Attachment G), risk management plan (RMP), tank inspection records, analysis of material stored in tanks, notifications to LDEQ prior to filling the tanks and reports certifying control equipment on tanks. After review of Part 68, it appears that Lisbon is not subject to the requirements for an RMP. I requested the tank inspection records from Mr. Keith Wilson of Wilson Fabrication Manufacturing Corporation, during a phone interview conducted during the July 5, 2007 inspection. Mr. Wilson informed me that they were putting a report together with this information and it should be ready by July 11, 2007. I have not yet received these records. Ms. Howard did not know where the analytical data was for the material stored in the tanks. Mr. Huff instead gave me a MSDS for "Natural Gasoline" (Attachment A). According to Ms. Howard, Lisbon did not know they were suppose to submit notification to LDEQ prior to filling the tanks or a report certifying the control equipment on tanks and could therefore not provide me this documentation.

At approximately 1300 hours, Mr. Huff received a phone call from Mr. James Ballengee, notifying him that Lisbon had received a cease and desist order from LDEQ. EPA inspectors observed Mr. Huff immediately close the gates to the facility and shutdown the caustic wash processing unit. We then proceeded along the western side of the facility to observe where the spilled material entered the unnamed tributary to Five Mile Creek. Near the southwest corner of the facility, we observed an oil/water separator (**Photos 24 and 25**) that appeared to be abandoned in place when Arcadia Refinery, the previous occupant, closed down. There appeared to be oily material still in the unit. No emissions were observed, with the FLIR® IR camera, coming from the oil/water separator. After investigating some discharges of water from two (2), approximately twelve inch diameter pipelines (see Juan Ibarra's CWA inspection report for information on these) we returned to the office to conduct the close-out meeting. Issues found during the inspection are discussed in Sections III and IV, below.

July 25, 2007

Mr. Robertson and I returned to Lisbon on July 25, 2007 to conduct a follow-up inspection. Upon entry into the facility we went to the office to inform Mr. Huff that we were onsite and would like to conduct a visual inspection. Mr. Huff stayed in the office, but allowed us access to the entire facility. According to Mr. Huff, no material has left the facility since the July 5, 2007 inspection. Mr. Robertson and I walked around the perimeter of the facility and observed that Altec Environmental, Lisbon's environmental contractor, had placed suma® canisters around the facility (one in the northeast corner of the facility, one in the northwest corner of the facility and one in the southwest corner of the facility) to measure concentrations of VOCs in the air. According to Mr. Don Huckabee, Altec Environmental, only once have VOCs been detected at concentrations above the permissible limit from the suma® canisters. Mr. Robertson and I requested suma® canister results and LEL readings from Mr. Huckabee. I used the FLIR® IR camera to observe the storage tanks. Tanks A1, B2, C3, D4 and F6 were still leaking (Videos 9 - 15). The manway hatch on tank B2 appeared to be closed during this follow-up inspection, however, it appeared that only three (3) bolts were used to secure the cover in place. The hatch was still leaking during this inspection. The tank storing the spent caustic did not appear to be leaking during this site visit. Tanks J10 and L12 which were not leaking during the original inspection on July 5, 2007 appeared to be leaking (Videos 16 - 18).

Mr. Robertson and I observed that the 12-inch diameter pipelines were no longer discharging water and the berm, where the spill broke through, around tanks H8, I9 and J10 had been repaired and appeared to be in good condition. The oil/water separator was in similar condition as it was during the July 5, 2007 inspection. Mr. Robertson and I concluded our inspection and departed the Lisbon facility.

V. Potential to Emit Major Pollutants:

The following information was obtained from the Annual Emission Rates page from the Minor Source Air Permit application, dated June 12, 2007, which is provided as **Attachment D**.

 NO_x : N/A

VOC: 89.779 tons/year

 SO_2 : N/A

PM₁₀: N/A CO: N/A

Lead: N/A

PM_{2.5}: N/A

VI. Maps of Facility

The facility is located at 18647 Highway 2, Claiborne Parish, Lisbon, Louisiana approximately four miles east of Lisbon, Louisiana. A facility plot plan is provided as **Attachment E**.

VII. Addresses for Correspondence and Agents for Service

All further correspondence should be sent to the following:

Mr. James Ballengee P.O. Box 86 Winnsboro, TX 75494 Office: (903) 342-1300

Cell: (318) 469-3084

V. Process Units Inspected

The desulphurization process is the only process located at the Lisbon facility. This process was inspected during the July 5, 2007 inspection. A FLIR[®] IR camera was used to find leaking components throughout the facility, no leaks were observed on the desulphurization process skid at the time of the inspection.

Section (II)

I. Documents Requested

Documents requested at the time of the inspection will be discussed under the appropriate regulatory citation in the Compliance with Federal Regulations portion of Section III, below.

II. Applicable Regulations and Construction Dates

All source identification and unit specific information and applicable regulations for Minor Source administrative requirements are usually contained in a Minor Source Air Permit required by the state of Louisiana. However, at the time of the inspection, the Lisbon facility had applied for but not received a Minor Source Air Permit.

Section (III)

Compliance with Federal Regulations pertaining to the Lisbon facility is discussed below. No previous or pending enforcement actions were issued or resolved.

I. Compliance with Federal Regulations

40 CFR Part 60, Subpart A – General Provisions. According to 60.7(a)(3), the facility must submit "a notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date."

Limited records were available at the facility during the inspection. A Notification of the Actual Date of Initial Startup was not among these records. I searched the Electronic Data Management System (EDMS) on the LDEQ website and was unable to find this notification. It appears that Lisbon is out of compliance with 60.7(a)(3).

40 CFR Part 60, Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After June 11, 1973, and Prior to May 19, 1978. Tanks A1, H8 and I9 are subject to this subpart. Each of the tanks is a fixed roof tank with an internal floating roof equipped with double seals (one above the other).

According to 60.112(a)(2), "The owner or operator of any storage vessel to which this subpart applies shall store petroleum liquids as follow." "If the true vapor pressure of the petroleum liquid as stored is greater than 11.1 pounds per square inch by area (psia), the storage vessel shall be equipped with a vapor recovery system or its equivalent."

According to shipping manifests (Attachment F) for the petroleum byproduct shipped from Louis Dreyfus, the true vapor pressure of the material was approximately 13.50 to 15.00 psia. Each onsite storage tank is equipped with an internal floating roof with double seals. It appears that Lisbon is out of compliance with 60.112(a)(2).

40 CFR Part 60, Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction or Modification Commenced After July 23, 1984. Tanks B2, C3, D4, F6 and

G7 are subject to this subpart. Each of the tanks is a fixed roof tank with an internal floating roof with double seals (one above the other).

According to 60.112b(b), "the owner or operator of each storage vessel with a design capacity greater than or equal to 75 m³ which contains a VOL that, as stored, has a maximum true vapor pressure greater than or equal to 76.6 kPa (11.109 psia) shall equip each storage vessel with one of the following:

- 1.) A closed vent system and control device as specified in 60.112b(a)(3).
- 2.) A system equivalent to that described in paragraph (b)(1) as provided in 60.114b of this subpart."

According to shipping manifests (Attachment F) for the petroleum byproduct shipped from Louis Dreyfus, the true vapor pressure of the material was approximately 13.50 to 15.00 psia. Each onsite storage tank is equipped with an internal floating roof with double seals. It appears that Lisbon is out of compliance with 60.112b(b).

According to 60.113b(c), "the owner or operator of each source that is equipped with a closed vent system and control device as required in 60.112b(a)(3) or (b)(2) (other than a flare) is exempt from 60.8 of the General Provisions and shall meet the following requirements.

1.) Submit for approval by the Administrator as an attachment to the notification required by 60.7(a)(1) or, if the facility is exempt from 60.7(a)(1), as an attachment to the notification required by 60.7(a)(2), an operating plan containing the information" listed in 60.113(c)(i) and (ii).

Per 60.112b(b) the storage tanks at Lisbon are required to be equipped with closed vent systems and control devices which in turn requires them to comply with 60.113b(c). Lisbon personnel did not submit an operating plan containing the information listed in 60.113(c)(i) and (ii). It appears that Lisbon is out of compliance with 60.113b(c)(1).

2.) "Operate the closed vent system and control device and monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to the Administrator in accordance with paragraph (c)(1) of this section..."

Since the storage tanks are equipped with improper controls, per 60.112b(b), and no operating plan was submitted to the Administrator, per 60.113b(c)(1), it is not possible for the Lisbon facility to comply with 60.113b(c)(2). Therefore it appears that Lisbon is out of compliance with 60.113b(c)(2).

NOTE: If Lisbon were to choose the option of installing a control device and a flare they would be subject to the requirements of 60.113b(d) and so being, they would be out of compliance with 60.113b(d).

According to 60.115b(c), "after installing control equipment in accordance with 60.112b(a)(3) or (b)(1) (closed vent system and control device other than a flare), the owner or operator shall keep the following records.

- 1.) A copy of the operating plan.
- 2.) A record of the measured values of the parameters monitored in accordance with 60.113b(c)(2)."

Since the control equipment described above has not been installed at the Lisbon facility it is not possible for Lisbon to comply with the requirements of 60.115b(c)(1) and (2). Therefore it would appear that Lisbon is out of compliance with 60.115b(c)(1) and (2).

NOTE: If Lisbon were to choose the option of installing a control device and a flare they would be subject to the requirements of 60.115b(d) and so being, they would be out of compliance with 60.115b(d)(1), (2) and (3).

According to 60.116b(b), "The owner or operator of each storage vessel as specified in 60.110b(a) shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel."

Records showing compliance with this paragraph are provided as Attachment G.

According to 60.116b(c), "...the owner or operator of each storage vessel with a design capacity greater than or equal to 151m³ (39,889.98 gallons) storing a liquid with a true vapor pressure greater than or equal to 3.5 kPa (0.508 psia) shall maintain a record of the VOL stored, the period of storage and the maximum true vapor pressure of that VOL during the respective storage period."

The only records maintained onsite pertaining to the contents of the storage tanks are provided as Attachment H. However, these records do not provide period of storage and maximum true vapor pressure of the VOL. It appears that Lisbon is out of compliance with 60.116b(c).

Section (IV)

SUMMARY OF FINDINGS

This section presents a summary of areas of concern^a identified by EPA during the investigation of the Lisbon facility located in Lisbon, Louisiana.

AREAS OF CONCERN

- 1. Inspectors observed three (3) manway hatches on storage tanks opened during the facility inspection. Only one of the tanks was being worked on at the time these hatches were observed open. While not a violation, it's a good work, health and safety practice to close the vents completely (i.e., by securing all bolts) when they are not in use.
- 2. Lisbon's Loading and Unloading Spreadsheets (**Attachment C**) show that the first load of material was received at the facility on May 23, 2007, however, material was first shipped from the facility on April 1, 2007. It appears that Lisbon may have been operational prior to the March 23, 2007 startup date, provided by Mr. Huff.
- 3. Lisbon may not have applied for an air permit prior to commencing operations at the facility.
- 4. Lisbon's loading and unloading log entries stop on June 22, 2007 and June 23, 2007, respectively. While not necessarily a violation, poor documentation or recordkeeping practices could lead to violations and other potential issues.

Areas of concern are inspection observations of potential problems or activities that could impact the environment, result in future noncompliance with permit or regulatory requirements, and/or are areas associated with pollution prevention.

ATTACHMENT SUMMARY

Attachment A

MSDS for "Natural Gasoline"

Attachment B

• Photograph Log

Attachment C

• Loading and Unloading Spreadsheet

Attachment D

• Minor Source Air Permit Application

Attachment E

• Facility Plot Plans

Attachment F

• Shipping Manifests

Attachment G

• Tank Dimensions and Capacity Records

Attachment H

• Daily Storage Tank Measurements

Material Safety Data Sheet

PHONE NUMBERS:

NATURAL GASOLINE

MSDS Date: October 5, 2001

MSDS Revised On: June 30, 2005

Louis Dreyfus Olefins LLC

P.O. Box 479

CHEMTREC: (800) 424-9300

Geismar, Louisiana 70734

Louis Dreyfus Olefins LLC: (225) 677-9399

A. Product Identification

Synonyms:

Natural Gasoline Liquids

Chemical Name: Chemical Family:

Natural Gasoline Hydrocarbon mixture

Chemical Formula:

CAS Reg. No.:

Mixture

Mixture

Product and/or Components Entered on EPA's TSCA Inventory: YES

This product is in U.S. commerce, and is listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals; hence, it may be subject to applicable provisions and restrictions of 40 CFR, section 721 and 723.250.

| B. Componer | nts | | | |
|-------------------|----------|--------|-----------|---------|
| | CAS | % | OSHA | ACGIH |
| Ingredients | Number | By Wt. | PEL | TLV |
| Isopentane | 78-78-4 | <90 | NE | NE |
| n-Pentane | 109-66-0 | <90 | 1000 ppm | 600 ppm |
| 1-Pentene | 109-67-1 | <90 | NE | NE |
| n-Hexane | 110-54-3 | <90 | 500 ppm | 50 ppm |
| cis-2-butene | 590-18-1 | < 5 | NE | NE |
| 2-methyl-1-butene | 563-46-2 | < 5 | NE | NE |
| Ethyl Mercaptan | 75-08-1 | < 0.2 | 10 ppm(c) | 0.5 ppm |
| Butyl Mercaptan | 109-79-5 | <0.1 | 10 ppm(c) | 0.5 ppm |
| Benzene | 71-43-2 | < 0.5 | 1 ppm | 0.5 ppm |

*For Hexane isomers

(c) = ceiling value

Normal composition ranges are shown.

Personal Protection Information

Respiratory Protection:

Utilize NIOSH approved half face or full face respirator with organic vapor cartridges, supplied air, or self-contained breathing apparatus. Consult with an Industrial Hygienist before determining which respirators to use. Respirators must be utilized in compliance with OSHA regulations

29CFR1910.134 and 29CFR1910.1028.

Ventilation:

Use explosion-proof ventilation equipment. Utilize local exhaust to control

vapors. Do not rely on general exhaust.

Protective Gloves:

Polyvinyl alcohol, North Silver Shield, Ansell Edmont 4H, or viton gloves are

recommended.

Eve Protection: -Other Protective Equipment:

Chemical goggles and face shield.

Wear additional protective clothing as required to prevent skin contact. This may include chemical aprons, chemical resistant boots, and chemical resistant suits. Safety shower and eyewash are necessary in work area.

Use good personal hygiene practices. Wash hands before eating, drinking, Work Practices:

smoking, or using toilet facilities. Promptly remove contaminated clothing and launder before reuse. Shower after work using plenty of soap and

water.

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

Handling and Storage Precautions **DANGER!** Extremely Flammable:

Keep away from heat, sparks, and open flames. Keep containers tightly closed. Store away from strong oxidizing agents in a cool, dry place. Use adequate explosion-proof ventilation to prevent accumulation of static charge. When pouring or transferring materials, containers must be bonded and grounded.

DO NOT weld, heat, or drill on or near full or empty containers. Empty containers can contain explosive vapors.

Do not breath vapors or mist. Minimize skin contact. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles, including shoes that cannot be decontaminated.

Reactivity Data E.

Stability:

Incompatibility (Materials to Avoid):

Stable Oxygen and strong oxidizing agents

Hazardous Polymerization:

Will Not Occur

Conditions to Avoid:

Not Applicable

Hazardous Decomposition Products:

Carbon oxides and various hydrocarbons formed when burned

Health Hazard Data Health Hazard Data for Benzene

OSHA

PEL:

1 ppm

STEL:

5 ppm

TLV: **ACGIH**

0.5 ppm

2.5 ppm STEL:

500 ppm IDLH: NIOSH

Eye:

88 mg MODERATE (rabbit) 2 mg/24H SEVERE (rabbit)

28ZPAK -, 23, 72 (4) AIHAAP 23, 95. 62 (1)

AMIHAB 14, 387, 56 (3)

Skin:

15 mg/24 H open MILD (rabbit) 20 mg/24 H MODERATE (rabbit)

85JCAE -, 25, 86 (2)

Inhalation:

20,000 ppm/5 M (human) LCLo:

29ZUA8 -, -, 53 (31) ARGEAR 44, 145, 74 (34)

LCLo: LC50: 65 mg/m3/5 Y (human) 10,000 ppm/7 H (rat)

28ZRAQ -, 113, 60 (36)

Oral:

LDLo: LD50:

50 mg/kg (human) 3306 mg/kg (rat)

YAKUD5 22, 883, 80 (30) TXAPA9 19, 699, 71 (35)

Benzene is a confirmed human carcinogen. It can cause myeloid leukemia, Hodgkins disease, and lymphomas via the inhalation route. Benzene is also a suspected reproductive hazard and teratogen.

Carcinogenicity listed by:

NTP: Yes

IARC: Yes

OSHA: Yes

Acute Effects of Overexposure for Other Components

Eye: Exposure to the liquid or prolonged exposure to high vapor concentrations may cause mild irritation. Skin: Prolonged or repeated contact with the liquid may cause defatting resulting in drying, redness, cracking and scaling of the skin. Prolonged exposure to high vapor concentrations may cause mild irritation of mucous membranes. Can be

absorbed through skin in harmful amounts. Dermal LD50 for n-Hexane > 2 g/kg (rabbit).

Inhalation: Exposure to high vapor concentrations may cause dizziness, disorientation, headache, excitation, drowsiness, incoordination, anesthesia and respiratory and cardiac depression. Extreme exposure may cause further CNS depression, unconsciousness and death. Vapors may be mildly irritating to lungs. Inhalation

LC50 for n-Hexane > 3367 ppm (rat). Ingestion: If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs. Oral LD50 for n-Hexane > 5 g/kg (rat).

Subchronic and Chronic Effects of Overexposure From Other Components

Chronic high level n-hexane exposure damages the nervous system initially producing a lack of feeling in the extremities and possibly progressing to a more severe nerve damage. Inhalation of high levels (1000 and 5000 ppm) of n-hexane has produced testicular damage in rats. Mice exposed to the same dose levels showed no testicular effects.

Other Health Effects:

2-Methylpentane has produced kidney damage in male rats only in subchronic oral laboratory studies. No comparable kidney injury has been reported in humans. When 2-methylpentane was given to rats orally for eight days, it impaired the function of the peripheral nerves. However, the severity of the effect was less than that of n-hexane, a known neurotoxicant. Isopentane did not produce kidney damage in a subchronic oral laboratory study or in a subchronic inhalation exposure to 4500 ppm and 1000 ppm of a 50/50 mixture of isobutane and isopentane.

| Health Hazard | Categories: |
|---|--|
| Known Carcino Suspect Carcino Mutagen Teratogen Allergic Sensitiz Highly Toxic | ogen X Corrosive X Irritant X X Target Organ Toxin X X Simple Applying to the control of the control |
| First Aid and E Eye Contact: | Immediately flush eyes with water for at least 15 minutes. Hold eyes open while |
| Skin Contact: | flushing out with water. Seek medical attention immediately. Immediately remove contaminated clothing and shoes. Flush skin with water for at least 15 minutes. Use soap if available or follow by washing with soap and water. Do not reuse contaminated clothing without laundering. If irritation persists, seek medical attention. |
| Inhalation: | Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, administer artificial respiration. Seek medical attention immediately. |
| Ingestion: | DO NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Seek medical attention immediately. |
| - | sical Data Colorless liquid |
| Appearance: | Gasoline-like odor, rotten egg |

| G. Physical Data Appearance: Odor: Boiling Point: Vapor Pressure: Vapor Density (Air = 1): Solubility in Water: Specific Gravity (H2O = 1): Percent Volatile by Volume: Evaporation Rate (Ethyl Ether = 1): Viscosity: | 95 – 147 F (3 10-15 psia at 3-4 Negligible 0.652 @ 60/6 100 >1 | odor, rotten egg 34.4 – 63.9 C) | ;) |
|---|--|------------------------------------|--------------------|
| H. Fire and Explosion Data Flash Point (Method Used): Flammable Limits (% by Volume in Air): | < 140 F LEL – 1.1 | Estimated UEL – 8.7 | (Literature Values |

Extinguishing Media: Firefighting Procedures: Water, Dry Chemical, "Alcohol" Foam, Carbon Dioxide

Firefighters should wear NIOSH approved self-contained breathing apparatus and appropriate protective clothing to prevent contact. Cool

exposed containers with water.

Unusual Fire and Explosion Information:

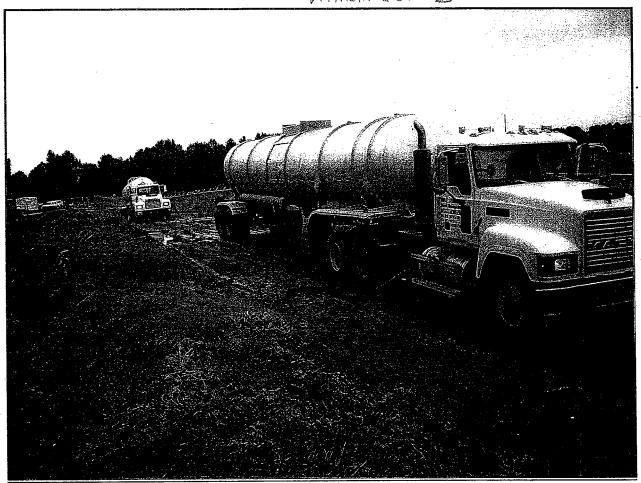
Do not use direct stream of water to fight fire. Benzene will float and can be re-ignited on the surface. Containers can build up pressure if subjected to heat of the fire and may explode. Flashback hazard vapors are heavier than air and can collect in low areas forming an explosive benzene and air mixture.

Prevent product from getting into sewers or surface waters.

Environmental Note:

| Isolate the hazard a should wear approp suppressing foam r | eak and Disposal Procedures area and deny entry to nonessential personnel. Emergency responders and/or clean-up personnel oriate protective clothing and equipment when responding. Remove all ignition sources. A vapor may be used to reduce vapors. Prevent from entering sewers or surface waters. Collect liquid in I shut. Absorb remaining material with a noncombustible absorbent such as earth, sand, or vermiculite osal. |
|--|--|
| Waste Disposal (Inspermitted waste dis | sure Conformity with all Applicable Disposal Regulations): Incinerate or otherwise manage in a RCRA posal facility. |
| J. DOT Tra | ansportation |
| Shipping Name: Fla | |
| Hazard Class: 3 (FI | |
| ID Number: UN 199 | |
| Packing Group: I | |
| | e Liquids, n.o.s., UN 1993 |
| Label: Flammable | |
| Placard: Flammable | |
| | nce/RQ: Benzene 10 lbs n: Flammable Liquids (Natural Gasoline), n.o.s., 3, UN1993, PG I, RQ (benzene) |
| Packaging Referen | ces: 49 CFR 173.304, 173.120, 173.121, and 173.243 |
| Enter "RQ" only if the | ne hazardous substance is present in a quantity, in one package, which equals or exceeds the |
| | (RQ) shown for the hazardous substance. |
| Ignitable (D001), Cl Prior to disposal, co EPA Test Method 1 | Classification - Unadulterated Product as a Waste haracteristic for Benzene (D018) onsult your environmental contact to determine if TCLP (Toxicity Characteristic Leaching Procedure, 311) is required. Reference 40 CFR Part 261. |
| Contact immediate | ion Required for Work on Contaminated Equipment supervisor for specific instructions before work is initiated. Wear protective equipment and/or I in Section C if exposure conditions warrant. |
| This produc | Classification of the transfer of the Company of th |
| Combustible L | iquid Flammable Aerosol Oxidizer |
| Compressed C | |
| Flammable Ga | s X Health Hazard Unstable |
| X Flammable Lice Flammable So | quid Organic Peroxide Water Reactive |
| N. Addition | nal Information |
| SARA 313 | iui invinauvii |
| This product contain | ns the following chemical or chemicals subject to the reporting requirements of Section 313 of Title III nendments and Reauthorization Act of 1986 and 40 CFR Part 372. |
| n-hexane | CAS# 110-54-3 |
| benzene | CAS# 71-43-2 |

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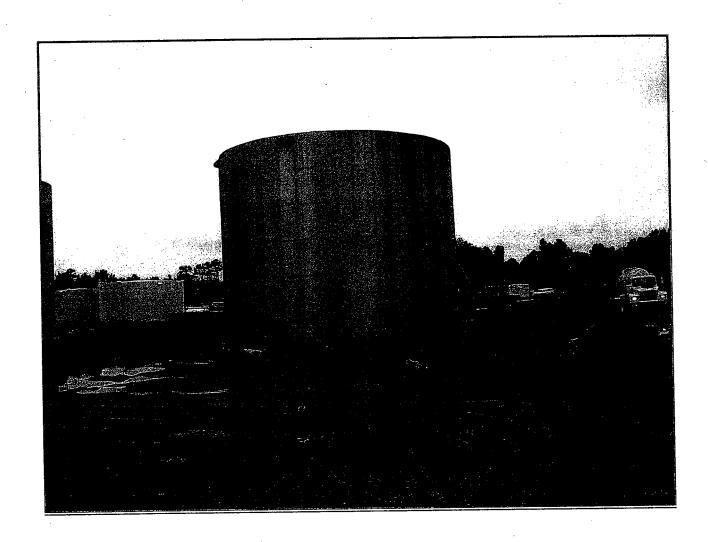


Facility Name: Lisbon Processing

Date: July 5, 2007

Photographer: D. Robertson

Description: View of vacuum tanker truck that is removing contents from tank 19. Note: Tank 19 is the tank that leaked, causing loss of animal life at the facility in June 2007.

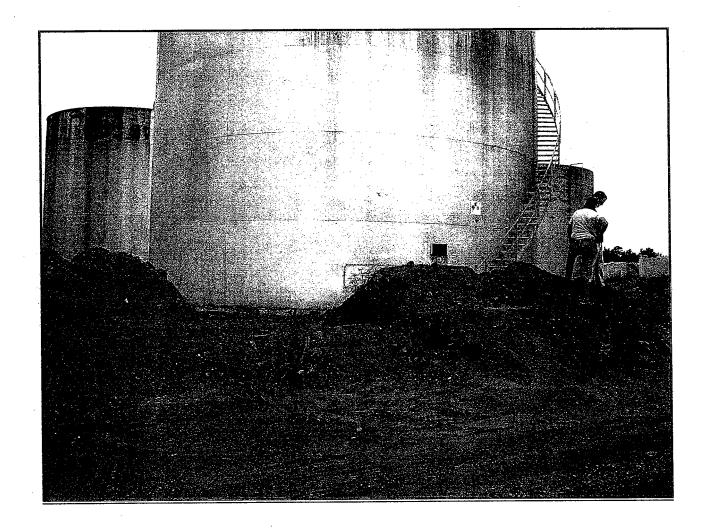


Facility Name: Lisbon Processing

Date: July 5, 2007

Photographer: D. Robertson

Description: View of tank K11. Note: This tank contains liquids from the June 2007 spill. Including product, stream water and debris.

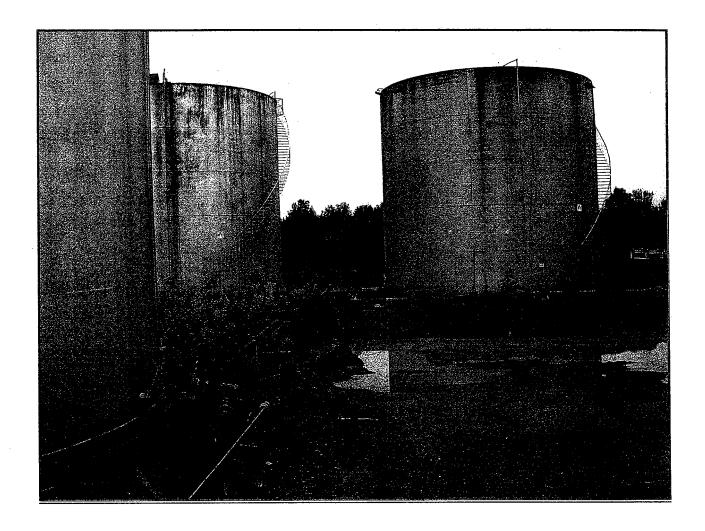


Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of tank L12. Note: The berm next to this tank was cut through to allow easier access for tanker trucks inside berm to aid in removal of material from storage tanks.

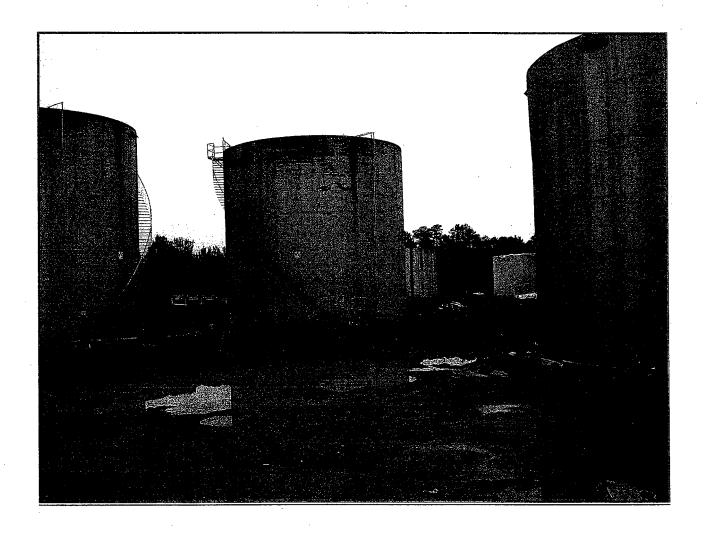


Facility Name: Lisbon Processing

Date: July 5, 2007

Photographer: D. Robertson

Description: View of tank I9 (right). Tanks J10 (background left) and L12 (foreground left) can also be observed in this photograph. Note: This tank is the one that leaked, causing the June 2007 spill into the unknown tributary of Five Mile Creek.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of tank H8 (center). Tanks I9 (left) and K11 (right) can also be observed in this photograph. (Note: This tank contains liquids from the June 2007 spill. Including product, stream water and debris.

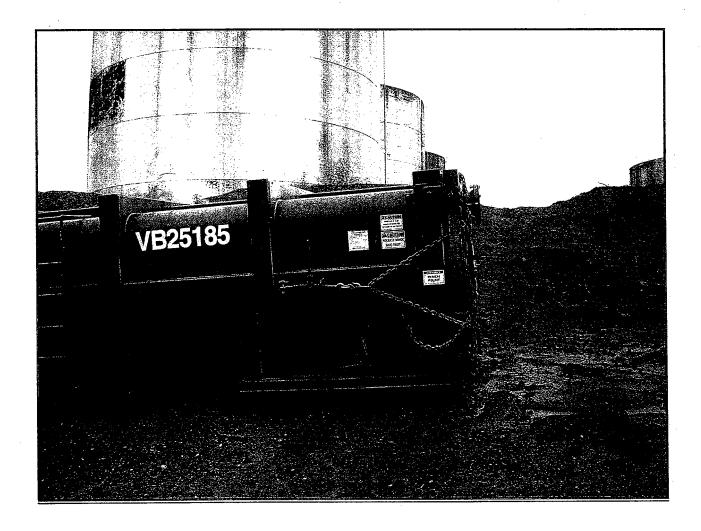


Photo No.: 06 Facility Name: Lisbon Processing

Date: July 5, 2007

Photographer: D. Robertson

Description: View of green "Baker Box" containing spill residue from June 2007 spill. Note: Tank K11 is observable in the immediate background.

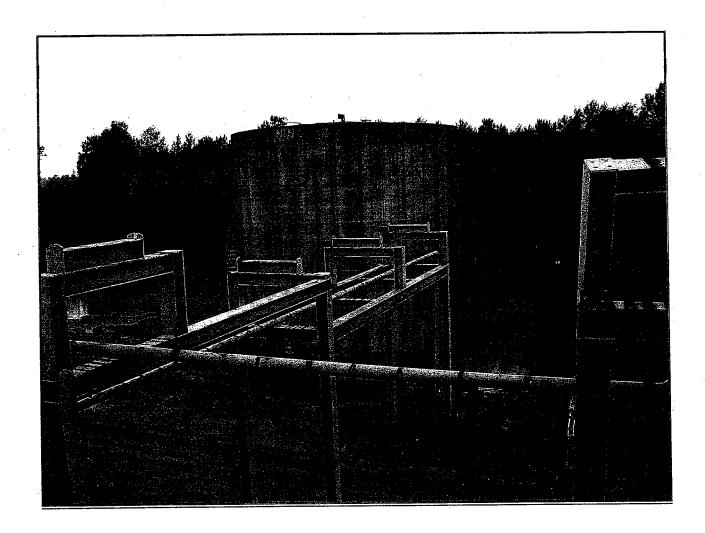


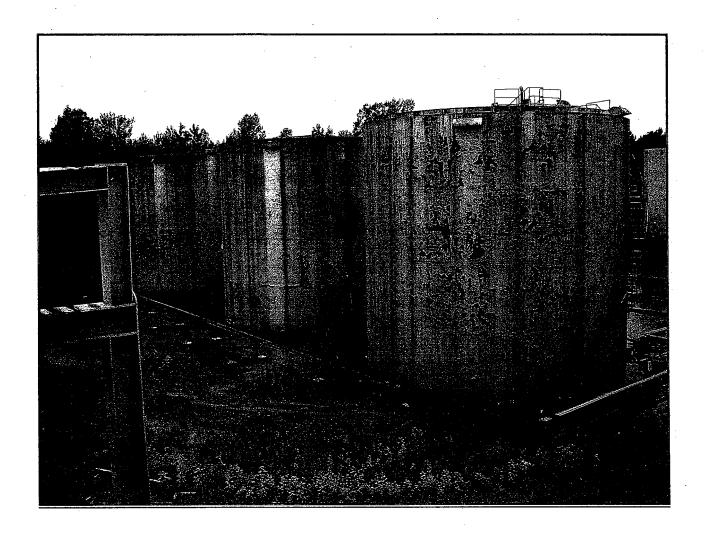
Photo No.: <u>07</u>

Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of tank G7 from on top of berm surrounding Tanks H8, I9 and J10. Note: Hatch in bottom right hand side of tank was open to the atmosphere during the inspection.

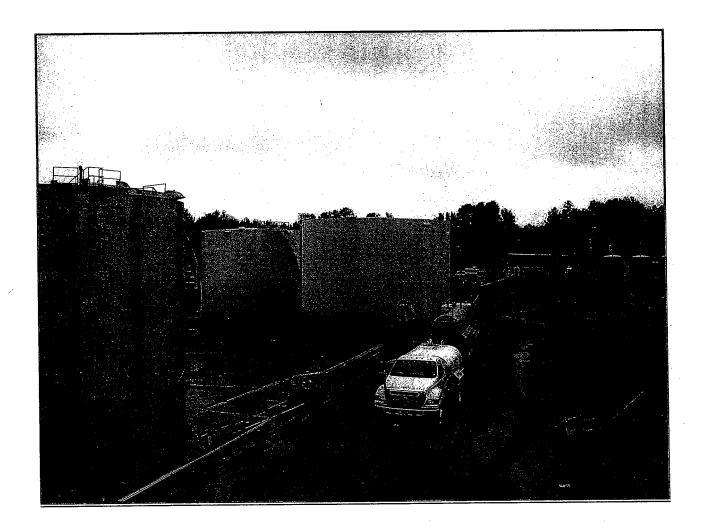


Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of tanks, from right to left, F6, E5 and D4.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: Vacuum trucks used during cleanout of onsite storage tanks.

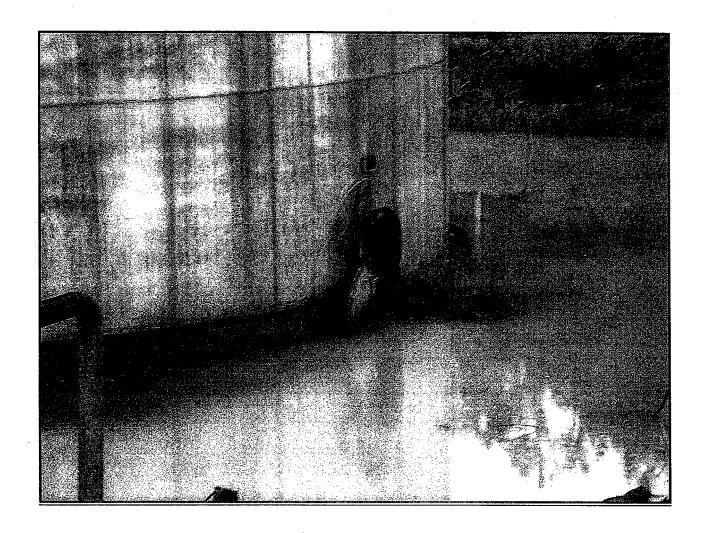
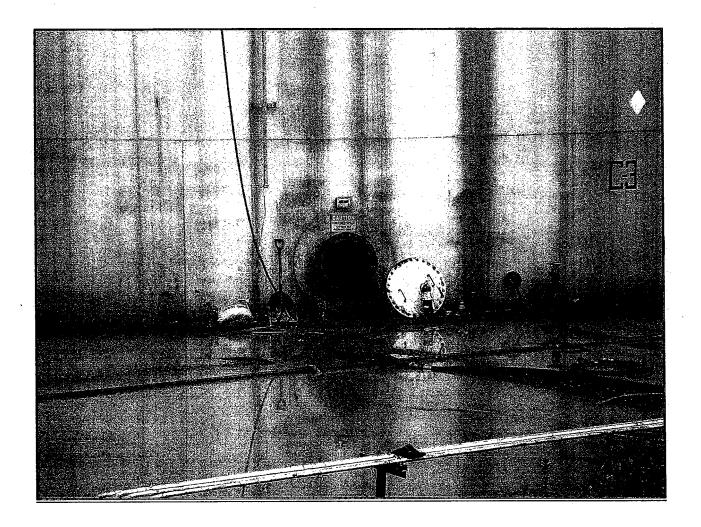


Photo No.: 10 Facility Name: <u>Lisbon Processing</u> Date: <u>July 5, 2007</u>

Photographer: D. Robertson

Description: Close-up view of hatch on tank G7. Note: Mr. Huff informed the inspectors that the black material on the ground outside of the hatch was rust material removed during the cleaning of the tank.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: Close-up view of hatch on tank C3. Note: Vacuum trucks in Photo 09 were being used to clean out this tank.

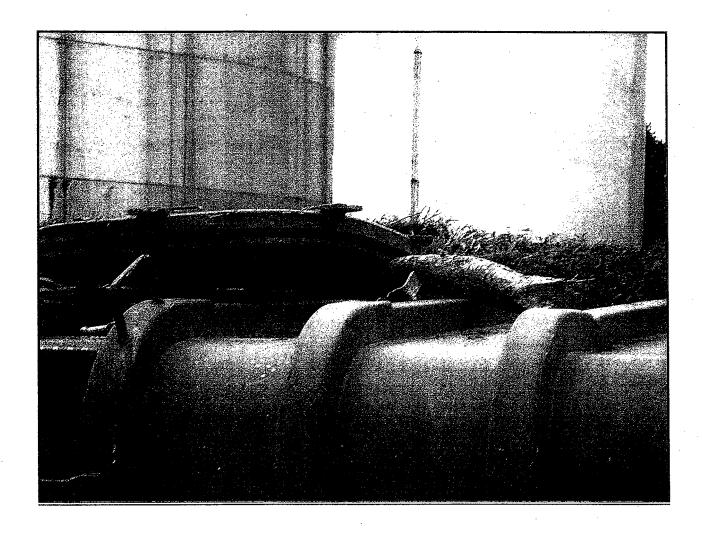
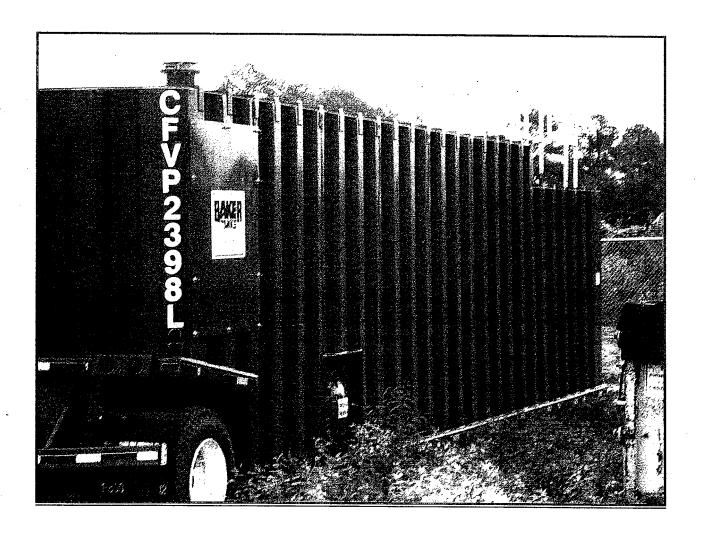


Photo No.: 12 Facility Name: Lisbon Processing Date: July 5, 2007

Photographer: D. Robertson

Description: Close-up view of "Baker Box" hatch being propped open with a tree branch. According to Mr. Huff, spill residue from June 2007 spill was stored within this vessel. Note: No emissions were observed, coming from the hatch, with the FLIR® IR camera.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of frac tank in center portion of the facility. Note: According to Mr. Huff, this tank contained liquids from cleanout of storage tanks C3, D4, F6, H8, I9 and L12.



Photo No.: 14 Facility Name: Lisbon Processing Date: July 5, 2007

Photographer: D. Robertson

Description: View of four (4) frac tanks and part of a roll-off box containing spill residue and debris from the June 2007 spill. Note: The hatch cover for the shorter frac tank on the far end was open at the time of the inspection. I observed, with the FLIR® IR camera, fumes exiting the hatch using tank.

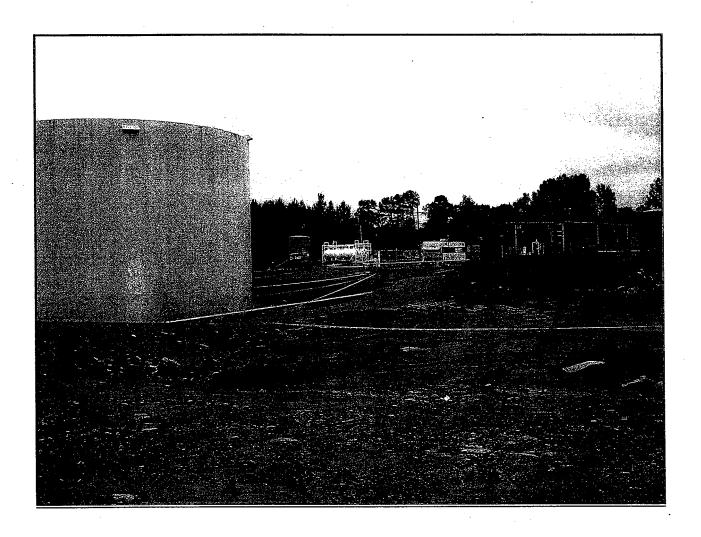
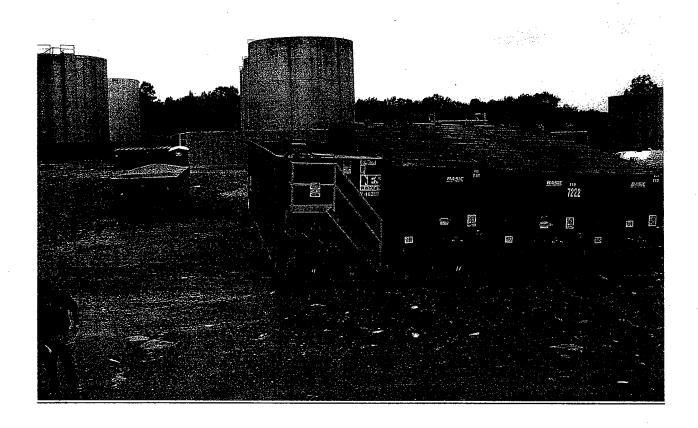


Photo No.: 15 Facility Name: Lisbon Processing Date: July 5, 2007

Photographer: D. Robertson

Description: View of tank B2. Note: Yellow caution tape was used to cordon off an area where the lower explosive limit (LEL) was exceeded. The hatch from Tank B2 was open at the time of the inspection and heavy fumes were observed, using the FLIR® IR camera, exiting the tank. The caustic wash processing unit (white) can be seen at the center of the photo in the background.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of frac tanks and roll-off boxes from Photo 14. Note: Vacuum truck tubing can be observed protruding from the open hatch on the left most frac tank, just above the yellow railing.

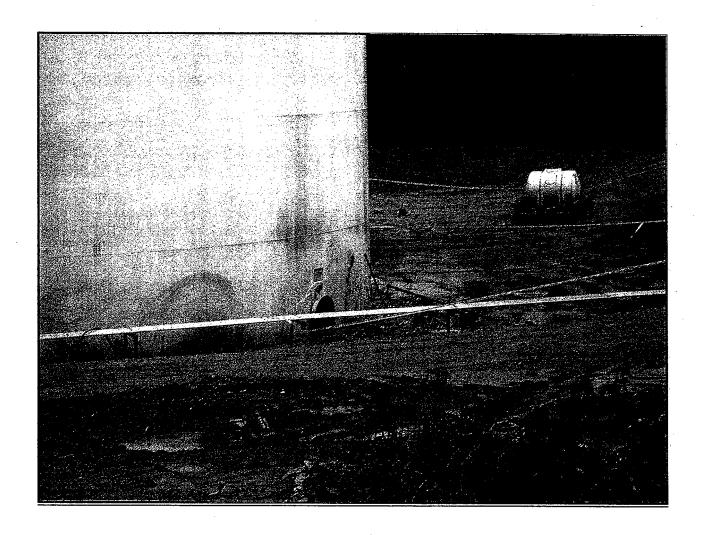
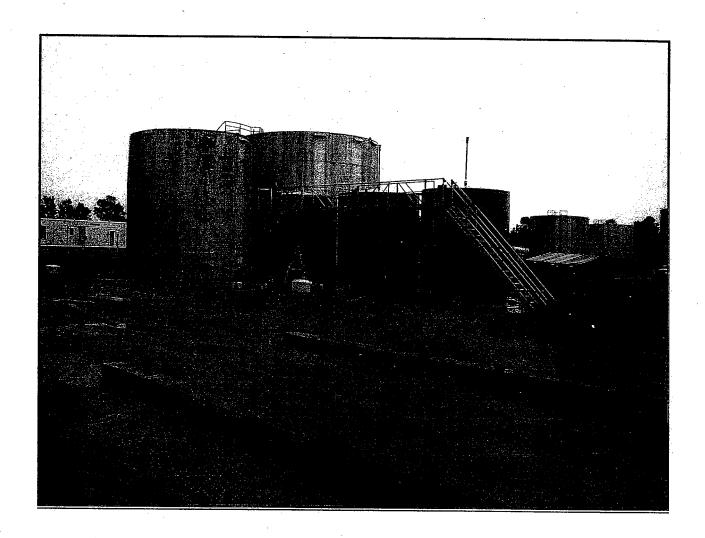


Photo No.: 17 Facility Name: Lisbon Processing Date: July 5, 2007

Photographer: D. Robertson

Description: View of open hatch on tank B2. Note: Yellow caution tape was used to cordon off area where LEL was exceeded. I observed, using the FLIR® IR camera, a large volume of fumes exiting the hatch.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: Black tanks in foreground are used to store, from left to right, new caustic, spent caustic and water. The silver tanks in the background, from left to right, are N14 and M13. Both silver tanks were empty at the time of the inspection.



Facility Name: Lisbon Processing

Date: July 5, 2007

Photographer: D. Robertson

Description: View of loading and unloading area. Note: There are three (3) stalls in this area, the two most northern stalls are used to unload material into facility storage tanks. The southern most stall is used for loading material into tanker trucks.

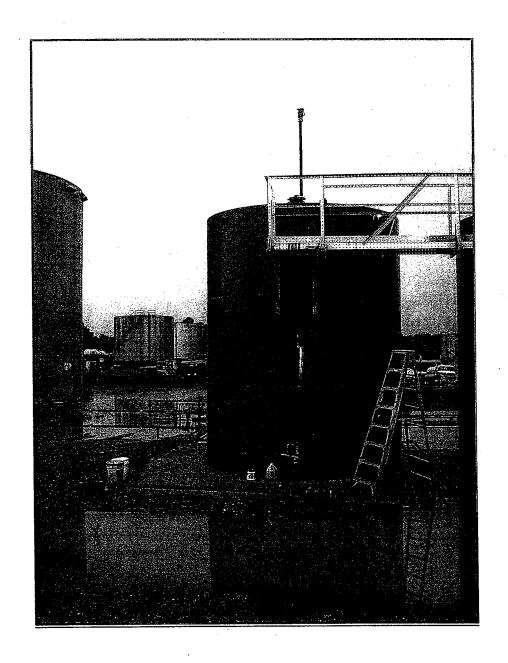


Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View caustic wash processing unit. Note: According to Mr. Huff, this unit can process approximately 70 barrels of material an hour.



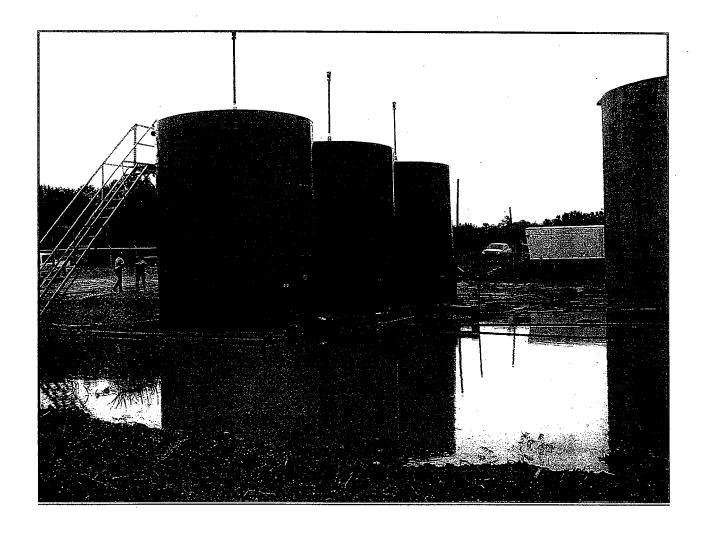
Facility Name: Lisbon Processing

Date: July 5, 2007

Photographer: D. Robertson

Description: Close view of New Caustic storage tank.

Note: I observed, with the FLIR® IR camera, fumes exiting the vent on top of the tank.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of, from left to right, water storage tanks, spent caustic storage tank and new caustic storage tank.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of pressure relief valve (PRV) on top of new caustic storage tank. Note: It appears that the tank has had some overfill issues as can be inferred by the staining in the photo above.



Photo No.: 24 Facility Name: Lisbon Processing Date: July 5, 2007

Photographer: D. Robertson

Description: View of oil/water separator located near the southwest corner of the facility.

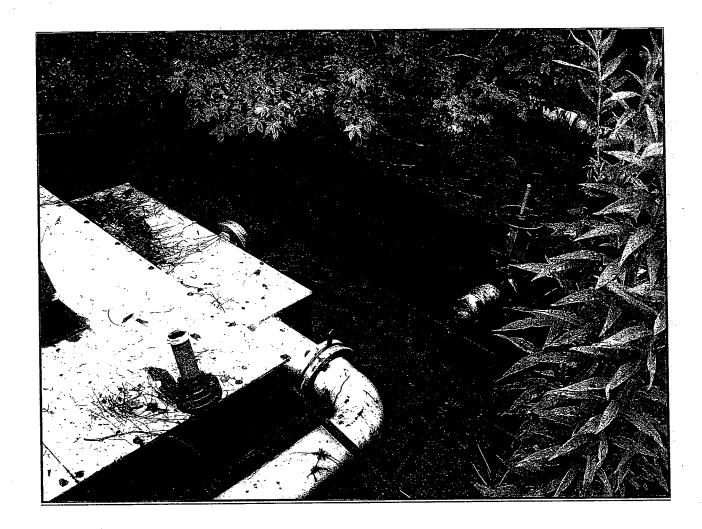


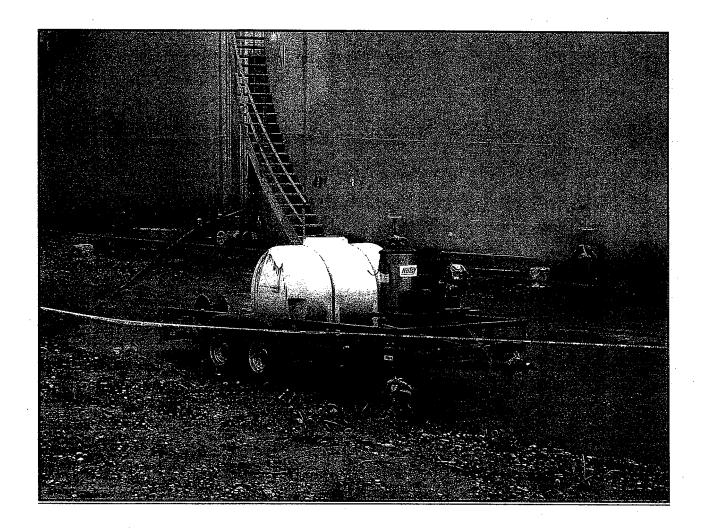
Photo No.: 25 Fac

Facility Name: Lisbon Processing

Date: July 5, 2007

Photographer: D. Robertson

Photo 24. Note: It appears that the oil/water separator was abandoned in place by Arcadia/Lisbon Refinery.



Facility Name: <u>Lisbon Processing</u>

Date: July 5, 2007

Photographer: D. Robertson

Description: View of pressure washer used for cleaning out onsite storage tanks. Note: Tanks A1(right) and B2 (left) can be observed in the background.

ATMONNOUT CO

| Time Gravity | | Temp | Truck# | Lisbon Name | Lisbon Gas Processing Loading Log Name Lease Name Tank Lact Me | Tank | oading Log Tank Lact Meter | Run Ticket# | Unioad bbis | Load bbls |
|-----------------|----------|-------------|---------|----------------|---|------|-------------------------------|-------------|-------------|-----------|
| 83 | '` | 75.2 | 85136 | Arthur | Lisbon-Houma | | , | 5129106 | خ | 196 |
| ω. | | | 81320 | Johnny T. | Sun Oil Co. | | | 307841 | | 190 |
| — " | | | 85383 | Lyn | Sun Oil Co. | | | 290042 | | 200 |
| ~_ _ | | | 84588 | Matt | Sun Oil Co. | - | | 27.7216 | , , | 429.3 |
| | | | GOT 125 | Brandon | Valentine | ـ ـ | | 18078 | 195 195 | 195 |
| | | | 85383 | Foster | Sun Oil CoOuitman | | | 290012 | 2 | 195 |
| 80.7 | | | Got 128 | | Valentine | · J | | 17503 | 185 | 185 |
| | | | Got 125 | Brandon | Valentine | ب | | 18079 | 193 | 193.6 |
| | | | Got 227 | Sid ' | Valentine | | | 18192 | 210 | 210.1 |
| | | | 82617 | Roger | Valentine | | | 18100 | 230.8 | 230.8 |
| | | | 85383 | Foster | Quitman | | | 290014 | | 196.1 |
| 80.4 | | | 84588 | Foster | Quitman | | | 290016 | | 224 |
| 80.4 | | | 85383 | Lynn | Quitman | | | 290046 | | 201 |
| 80.4 | | | 84588 | Foster | Quitman | | | 290017 | | 225 |
| | | | Got 123 | Jeff | Valentine | | | 18032 | 189 | 195 |
| | | | Got 123 | Jeff | Valentine | _ | | 18033 | 191.3 | 195 |
| 80.4 | | | 84588 | Matt | Quitman | _ | | 277154 | | 228.1 |
| | | | Got 123 | Jeff | Valentine | | | 18034 | 195.2 | 195 |
| | | | Got 123 | Brandon | Valentine | _ | | 18082 | 200 | 200 |
| 80.4 | | | 84588 | Matt | Quitman | | | 277155 | | 228 |
| 80.4 | | | 84560 | Wilber | Valentine | | | 5128078 | 198.5 | 198.5 |
| 80.4 | | - | 84588 | Matt | Quitman | _ | | 277156 | | 228.8 |
| 80.4 | | 09 | 84618 | Roger | Cotton Valley | _ | | 94748 | | 190 |
| 80.4 | | | 85383 | Lyn | Quitman | _ | | 290055 | | 200.4 |
| 80.4 | | | 84588 | Foster | Quitman | _ | | 290024 | | 225 |
| 80.4 | | | 82431 | Wilber | Valentine | _ | | 5128079 | 199 | 199 |
| 80.4 | | | 85383 | Lyn | Quitman | _ | | 290056 | | 200 |
| 80.4 | | | 84588 | Foster | Quitman | | | 290025 | | 226.1 |
| 80.4 | | | 82431 | Wilber | Valentine | _ | | 5128080 | 200 | 200 |
| 80.4 | | | 82617 | Roger | Valentine | _ | | 5128032 | 218.3 | 220 |
| 80.4 | | | 84588 | Foster | Quitman | _ | | 277157 | | 225.7 |
| 80.4 | | | 82431 | Wilber | Valentine | _ | | 5128081 | | 200 |
| 80.4 | | | 84588 | Matt | Quitman | ۵ | | 277158 | | 227.7 |
| 30.4 | | | 84588 | Matt | Quitman | Ω | | 277159 | | 226.6 |
| 80.4 | | | 84588 | Matt | Quitman | Ω | | 277160 | | 228.2 |
| | | | Got 125 | Brandon | St James | ۵ | | 18087 | 195 | 193.5 |
| | | | Got 126 | Sid | Placid-Port Allen | Ω | | 18369 | 210.1 | 210.1 |
| 80.4 | | | | Lyn | Quitman | ۵ | | 290065 | | 199.7 |
| <u>-</u> | | <u>-</u> | 646 | Gary | Quitman | ۵ ۵ | | 284206 | | 195 |
| ¬ III | <u>+</u> | 1 | 200 | ואומוו | Kulliali | 3 | | 1 101 17 | | 450.0 |

| / <u>F</u> | | _ | | | | | | | | | | | | | | | | <u> </u> | | | | _ | | | | | | | | | _ | | | | === | | | | | | |
|-------------|-----------|---------------|-----------|-------------------|-----------|-----------|-----------|-----------|-------------|-----------|----------------------|-----------------|-------------------|-----------|-----------|-----------|-------------------|-----------|-----------------|-----------|-----------|-------------------|-----------|---------------|-----------|-----------|-----------------|---------------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|-----------|-----------------|-----------|------------------|
| Load bbls | 210 | 220 | 196.9 | 195 | 197 | 228 | 192 | 216 | 197 | 226.8 | 210 | 200 | 220 | 227 | 195.1 | 210 | 194.3 | 225 | 185.1 | 200 | 190 | 210 | 200 | 196.1 | 190 | 227.7 | 195 | 200 | 195 | 210 | 200 | 200 | 195.3 | 500 | 195.2 | 195 | 196.4 | 200 | 195 | 226.1 | 220 |
| Unload bbls | 210 | 220 | | 195 | | | 192 | 215 | | | 210 | 200 | | | 194.1 | 210 | 194 | | 185 | | | 210 | | 195.1 | | | 195 | 199.5 | 195 | 210 | | | 195 | | 195 | 195 | | | 195 | | |
| Run Ticket# | 18370 | 5128037 | 290076 | 18088 | 290077 | 277162 | 18089 | 5128038 | 290078 | 290079 | 18371 | 240900 | 5128039 | 290080 | 90289 | 18372 | 18632 | 277163 | 407051 | 290066 | 94210 | 18373 | 290067 | 68707 | 82063 | 277164 | 72729 | 41737 | 18634 | 18432 | 86203 | 86204 | 72730 | 86206 | 193080 | 18635 | 86207 | 86208 | 308604 | 277167 | 5128042 86209 |
| Lact Meter | | | | | | | | | | | | | | | | | | | • | | | | | | | | | | | | | • | | • | | | | | | | |
| Tank | ۵ | Δ | Ω | Ω | ۵ | ۵ | Ω | Ω | Δ | Ω | Ω | | Ω | Ω | ۵ | Ω | ۵ | | Ω- | ۵ | ۵ | Ω | Ω | Ω. | Ω | | Ω | Ω | Ω | Ω | ပ | ပ | O | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ ပ |
| Lease Name | St James | Krotz Springs | Quitman | Placid-Port Allen | Quitman | Quitman | St James | Valentine | Quitman | Quitman | Valero Krotz Springs | Liberty Station | Placid-Port Allen | Quitman | Valero | St. James | Placid-Port Allen | Quitman | Liberty Station | Quitman | Quitman | Placid-Port Allen | Quitman | Krotz Springs | Quitman | Quitman | Liberty Station | Krotz Springs | Valentine | St. James | Quitman | Quitman | Liberty Station | Quitman | Liberty Station | Valentine | Quitman | Quitman | Liberty Station | Quitman | |
| _ | | Wilber | Foster | Brandon | Foster | Matt | Brandon | Wilber | Foster | Foster | Sid | Perry | Roger | Foster | Danny | Sid | Greg | Foster | Phii | Lyn | Rayburn | Sid | Lyn | Danny | Dean | Matt | Johnny T. | | Greg | Brandon | Randy | Stan | Johnny T. | Stan | Phil | Greg | Stan | Randy | Johnny T. | Matt | Roger Stan |
| Tru | Got 126 | 82617 | 85383 | Got | 85383 | 84588 | Got 125 | 82617 | 85383 | 84588 | Got 126 | 85481 | 82617 | 84588 | 82614 | Got 126 | 82431 | 84588 | 84631 | 85383 | 84618 | Got 126 | 85383 | 82614 | 84599 | 84588 | 1320 | 83417 | 82431 | Got 122 | 84556 | 84637 | 1320 | 84637 | 84629 | 82431 | 84637 | 84556 | 1320 | 84588 | 82617 84637 |
| Temp | | 09 | | | | | | 9 | | | | | 26 | | 69 | | 09 | | 69 | | | | | 20 | | | | 2 | 0/ | | | | | | 70 | 74 | | | | | 80 |
| Gravity | 08 | 08 | 80 | 80 | 80 | 80.4 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | <u>8</u> 8 |
| Time | PΜ | PΜ | PM | PM | ΑM | AM | PΜ | PR | P B | AM | P | ₽ Z | Β | Σd | Σ | AM | AM | Z | Σ | ΣY | AM | Z | PΑ | AM | Σ | MΑ | AM | AM | ¥ | <u>Z</u> | <u>∑</u> | Z | ΑA | AM | ΑM | PM | PZ | P M | ΡM | M | Z Z |
| Date L | 4/20/2007 | 4/20/2007 | 4/20/2007 | 4/20/2007 | 4/21/2007 | 4/21/2007 | 4/21/2007 | 4/21/2007 | 4/21/2007 | 4/22/2007 | 4/22/2007 | 4/22/2007 | 4/22/2007 | 4/22/2007 | 4/23/2007 | 4/23/2007 | 4/23/2007 | 4/23/2007 | 4/24/2007 | 4/24/2007 | 4/24/2007 | 4/24/2007 | 4/25/2007 | 4/25/2007 | 4/25/2007 | 4/25/2007 | 4/25/2007 | 4/25/2007 | 4/25/2007 | 4/25/2007 | 4/25/2007 | 4/25/2007 | 4/26/2007 | 4/26/2007 | 4/26/2007 | 4/26/2007 | 4/26/2007 | 4/26/2007 | 4/26/2007 | 4/27/2007 | 4/27/2007 |

| Date L Time | Gravity | Temp | 11' | Name | Lease Name | Tank | Lact Meter | Run Ticket# | Unload bbls | Load bbls |
|-----------------|---------|------|---------|-----------|-----------------|----------|------------|-------------|-------------|-----------|
| 5/8/2007 AM | 80.4 | 78 | 82617 | Greg | Valentine | ပ | | 5128089 | | 208 |
| 5/8/2007 AM | | 100 | 84628 | Robert | Liberty Station | ပ | | 535779 | | 190 |
| _ | 80.4 | | 502 | Joey | Liberty Station | ပ | | 68552 | | 195 |
| | 80.4 | | Got 122 | Brandon | St. James | ပ | | 18093 | | 190 |
| 5/9/2007 | 80.4 | | 68428 | Robert | Liberty Station | ပ — | , | 535780 | | 190 |
| 5/10/2007 | 80.4 | 72.6 | 84637 | Stan | Quitman | ပ — | | 287801 | | 197 |
| 5/10/2007 | 80.4 | 72 | 502 | Joey | Liberty Station | O | | 68553 | | 195 |
| 5/10/2007 AM | 80.4 | | 84628 | Robert | Liberty Station | ပ | | 535781 | | 190 |
| 5/10/2007 PM | 80.4 | | 505 | Joey | Liberty Station | ပ | | 68554 | | 195 |
| 5/11/2007 AM | 80.4 | | 84588 | Matt | Quitman | ပ | | 277174 | | 225 |
| 5/11/2007 PM | 80.4 | 72 | 84637 | Stan | Quitman | O | | 287803 | | 202 |
| 5/11/2007 PM | 80.4 | 71.5 | 84599 | Jerome | Quitman | ပ | | 333927 | | 188 |
| 5/11/2007 PM | 80.4 | | 205 | Joey | Placid | ပ | | 68555 | | 195 |
| 5/12/2007 PM | 80.4 | 78 | 84637 | Stan | Quitman | ပ — | | 287804 | | 197 |
| 5/12/2007 PM | 80.4 | | 85499 | Jerome | Quitman | o | | 333928 | | 188 |
| 5/12/2007 PM | 80.4 | | Got 123 | Jeff | St. James | ပ | | 18050 | | 193 |
| 5/13/2007 AM | 8 | 71 | 84549 | Scott | Quitman | ပ | | 94317 | | 185 |
| 5/13/2007 AM | 80.4 | | 82617 | Wilber | Valentine | O | | 5128096 | · | 225 |
| 5/13/2007 PM | 80.4 | | 84637 | Stan | Quitman | ပ | | 287805 | | 197 |
| 5/13/2007 PM | 80.4 | | 85499 | Jerome | Quitman | ပ | | 333929 | | 188 |
| 5/14/2007 AM | 80.4 | 72 | 505 | Joey | Placid | O | | 68556 | | 195 |
| 5/14/2007 AM | 80.4 | | 84560 | Greg | St. James | O | | 18643 | | 195 |
| 5/14/2007 AM | 80.4 | 100 | 84628 | Robert | Liberty Station | ပ | | 535782 | | 190 |
| | 80.4 | | 502 | Joey | Krotz Springs | <u>၂</u> | | 68557 | | 195 |
| | 80.4 | 100 | 84628 | Robert | Liberty Station | O | | 535783 | | 190 |
| 5/15/2007 PM | 80.4 | | 1320 | Johnny T | Krotz Springs | ပ | | 308617 | | 190.1 |
| 5/15/2007 PM | 80.4 | | 85383 | Foster | Quitman | ပ | , | 290132 | | 195 |
| 5/16/2007 AM | 80.4 | 72 | 205 | Joey | Krotz Springs | ပ | | 68558 | | 195 |
| 5/16/2007 AM | 80.4 | | 1376 | Chico/D | Valentine | ပ | | 2022125 | | 178 |
| 5/16/2007 AM | 80.4 | | 1489 | Tony/D | Valentine | ပ | | 1000 | | 196 |
| 5/16/2007 AM | 80.4 | 06 | 84628 | Robert | Liberty Station | ပ | | 535784 | | 190 |
| 5/17/2007 AM | 80.4 | | 1320 | Johnny T | Liberty Station | ပ — | | 308619 | | 190.7 |
| 5/17/2007 PM | 80.2 | | 1489 | S.White/D | Valentine | O | | 2022903 | | 190 |
| 5/17/2007 | 80.2 | | 1376 | Chico/D | Valentine | O | | 2022904 | | 189.6 |
| 5/18/2007 AM | 80.4 | 90 | 84628 | Robert | Liberty Station | ပ | | 535786 | | 190 |
| 5/18/2007 AM | 80.4 | 72 | 84588 | Matt | Quitman | ပ | | 277001 | | 225 |
| 5/18/2007 PM | 80.4 | - | 1489 | S.White/D | Valentine | O | | 2022905 | | . 196 |
| 5/19/2007 PM | 80.4 | | 84588 | Matt | Quitman | O | | 277002 | | 225 |
| | 80.4 | 73.7 | 85499 | Jerome | Quitman | ပ — | | 333931 | | 188 |
| | 80.4 | 09 | 826617 | Wilber | Valentine | ပ | | 402602 | | 225 |
| | 80.4 | | 85499 | Jerome | Quitman | O (| | 333932 | | 188 |
| 5/20/2007 PIM | 80.4 | | 1320 | Johnny | מווווומוו | , | | 10000 | | >>- |

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| | | | | | | | | <u> </u> | | | | | | | | | | | | | | | | | *** | | | | | | | | | | | | <u>-</u> - | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------------|---------------|-----------------|-----------|-----------|-----------------|-----------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------------|-----------|---------------|-----------|-----------|-----------------|-----------|-----------|-----------------|-----------|-----------|-----------------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|----------|
| Load bbis | 190 | 210 | 198 | 198 | 188 | 194.4 | 195 | 190 | 200 | 190 | 200.2 | 198 | 190 | 198 | 200 | 195 | 196 | 196 | 196 | 196 | 188 | 195 | 190 | 190.6 | 225 | 185 | 190 | 200 | 190 | 210 | 190 | 190 | 210 | 190 | 194.3 | 210 | 190 | 195.5 | 190 | 225.1 | 220 | 190 |
| Unioad bbis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | • | | | | | | |
| Run Ticket # | 2022910 | 18400 | 333933 | 287808 | 287807 | 2022909 | 68561 | 431691 | 18603 | 535788 | 287809 | 1015 | 308655 | 287811 | 333903 | 68562 | 1019 | 1020 | 1021 | 1023 | 333940 | 431694 | 535791 | 308659 | 402610 | 308661 | 18595 | 535642 | 18597 | 18409 | 535792 | 308663 | 18411 | 535793 | 18571 | 18413 | 535794 | 18573 | 535795 | 402619 | 18599 | 535796 |
| Lact Meter | | | | | | | | | | | | | | | | | | | | | | | | | • • • • | | | | | | | | | | | | | | | | | |
| Tank | S | ပ | ပ | ပ — | ပ — | ပ - | O | O | O | O | ပ | ပ | ပ | ပ | O | O | O | O | O | O | ပ | ٠. | O | O | O | O | O | ပ | ပ | O | ပ | O | O | O | O | O | O | O | O | U | · U | O |
| Lease Name | Valentine | Placid | Quitman | Quitman | Quitman | Valentine | Liberty Station | Liberty Station | Krotz Springs | Liberty Station | Quitman | Valentine | Liberty Station | Quitman | Quitman | Liberty Station | Quitman | Quitman | Quitman | Valentine | Quitman | Liberty Station | Liberty Station | St. James | Krotz Springs | St. James | Valentine | Liberty Station | Valentine | St. James | Liberty Station | Valentine | St. James | Liberty Station | Valentine | Valentine | Liberty Station | Valentine | Liberty Station | St. James | Valentine | Liberty |
| Name | | Sid | Jerome | Stan | Jerome | Tim/D | Joey . | B.R | Wilber | Robert | Stan | Perot/D | Johnny T | Stan | Jerry | Joey | Lloyd/D | Tim/D | Tim/D | Tim/D | Jerome | B.R | Robert | Johnny T | Wilber | Johnny T | Brandon | | Brandon | Sid | Robert | Johnny T | Sid | Robert | Jeff | Sid | Robert | Jeff | Robert | Wilber | Brandon | Robert |
| Truck# | davidson | Got 126 | 84637 | 84637 | 85499 | 1350 | 205 | 84634 | 84560 | 84628 | 84637 | 1369 | 1320 | 84637 | 84615 | 502 | 1495 | 1350 | 1350 | 1350 | 85499 | 84634 | 84628 | 1320 | | | Got 122 | 84663 | Got 122 | Got 126 | 84628 | 1320 | Got 126 | 84628 | Got 123 | Got 126 | 84628 | Got 123 | 84628 | | Got 122 | 84628 |
| / Temp | | 81.6 | 7.1 | 73.5 | 71 | 74 | 72 | 71 | | 90 | 74.2 | | | | 74.6 | 73 | | 74 | 74 | 20 | 70.1 | 80 | 90 | | 90 | | | 64 | | 77.4 | 06 | | 71.6 | 06 | | 79.7 | 80 | , | 90 | | 72 | |
| Date L Time Gravity | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | | | | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| Time | _ | | | Σ | Σ | Z Z | Δ | AM | AM | ΑM | AM | PM | ΡM | ΡM | Σd | PM | AM M | ΑM | ΡM | AM | AM | AM | AM | PΜ | AΜ | PM | PM | ΑM | PΜ | PΜ | AM | PM | Μd | ΑM | Σd | AM | AM | AM | AM | M | | AM |
| Date L | 5/20/2007 | 5/20/2007 | 5/21/2007 | 5/21/2007 | 5/21/2007 | 5/21/2007 | 5/21/2007 | 5/22/2007 | 5/22/2007 | 5/22/2007 | 5/22/2007 | 5/23/2007 | 5/23/2007 | 5/23/2007 | 5/23/2007 | 5/23/2007 | 5/24/2007 | 5/24/2007 | 5/24/2007 | 5/24/2007 | 5/24/2007 | 5/25/2007 | 5/25/2007 | 5/25/2007 | 5/26/2007 | 5/26/2007 | 5/26/2007 | 5/27/2007 | 5/27/2007 | 5/27/2007 | 5/28/2007 | 5/28/2007 | 5/28/2007 | 5/29/2007 | 5/29/2007 | 5/30/2007 | 5/30/2007 | 5/31/2007 | 5/31/2007 | 5/31/2007 | 5/31/2007 | 6/1/2007 |

| (O IF | | | | | _ | _ | | | | _ | | _ | | _ | _ | | | - | | | | | | | | | | <u></u> | | | | _ | | | | | | | _ | | | i |
|-------------|----------|----------|----------|-----------|----------|----------|-----------|-----------|-----------|---------------|----------|--------------|---------|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|----------|---------|----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|---------|-----------|---------|---------|-----------|-----------|---------|-----------|
| Load bbls | 224.4 | 700 — | 200 | 192.3 | 220 | 224.3 | 192 | 192 | 210 | 190 | 197 | 193.5 | 190 | 210 | 195 | 190 | 185 | 193.5 | 190 | 220 | 190 | 194.1 | 185 | 200 | 195 | | 220 | 190 | 190 | 190 | 190 | 199.2 | 185 | 224.4 | 200.6 | 210 | 224.4 | 190 | 200 | 200 | 180 | 707 |
| Unload bbls | | | | | | | | | | | | | | | | | | a. | , | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Run Ticket# | 290153 | 535702 | 1864 | 18601 | 18592 | 290154 | 180603 | 18605 | 18416 | 353797 | 431871 | 18575 | 535798 | 18715 | 18620 | 535799 | 58465 | 18578 | 308675 | 18606 | 535800 | 94464 | . 58468 | 193153 | 18622 | 68401 | 18607 | 536001 | 535901 | 399102 | 431902 | 290159 | 58473 | 290160 | 94469 | 18717 | 290161 | 58699 | 18625 | 290361 | 58583 | 193154 |
| Lact Meter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tank | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ပ | ۵ | Ω | Ω | ۵ | ۵ | Ω | Ω | ۵ | Ω | Δ | Ω | Ω | Ω | Ω | Ω | Ω | Ω | Ω | Ω | Ω | Ω | Ω | |] |
| Lease Name | Quitman | Liberty | Liberty | St. James | Liberty | Quitman | St. James | Valentine | Valentine | Liberty | Liberty | St. James | Liberty | St. James | Valentine | Liberty | Quitman | Valentine | Valentine | Valentine | Liberty | Quitman | Quitman | Liberty | Valentine | St. James | Valentine | Liberty | Liberty | Liberty | Liberty | Quitman | Quitman | Quitman | Quitman | St. James | Quitman | Quitman | St. James | Quitman | Quitman | Liberty |
| Name | Foster | Norwood | Wilber | Brandon | Jeff | Foster | Brandon | Brandon | Sid | Robert | J.Demuus | Jeff | Robert | Sid | Greg | Robert | Scott | Jeff | Johnny | Brandon | Robert | Fish | Scott | Norwood | Greg | Roger | Brandon | Robert | D Sugg | Phil | Jimmy | Foster | Scott | Foster | Fish | Sid | Foster | Mike | Wilber | Lyn | Benson | Norwood |
| Truck# | 84588 | 84663 | 84560 | Got 122 | Got 123 | 84588 | Got 122 | Got 122 | Got 126 | 84628 | 84636 | Got 123 | 84633 | Got 126 | 84560 | 84628 | 84549 | Got 123 | 1320 | Got 122 | 84733 | 84658 | 84549 | 84663 | 84560 | 82617 | Got 122 | 84628 | 84733 | 84603 | 84638 | 85383 | 84549 | 84588 | 84658 | Got 126 | 84588 | 84694 | 84560 | 85383 | 84658 | 84663 |
| Temp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | | | | | | | | |
| Gravity | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| Time | PM | M | ΡM | ΑM | ΑM | AM | AM | AM | ΑM | ΑM | PM | Μ | ΑM | ΑM | AM | ΑM | PM F | ΡM | ΡM | AM | AM | ΑM | PM | AM | ΑM | ΑM | ΑM | AM | ΑM | ΑM | ΑM | ΡM | PM | ΑM | AM | M | ₽ | Μ | AM | AM | AM: | AM |
| | 6/1/2007 | 6/1/2007 | 6/1/2007 | 6/2/2007 | 6/2/2007 | 6/3/2007 | 6/3/2007 | 6/4/2007 | ~ | - | 6/4/2007 | - | | 6/6/2007 | 6/6/2007 | 5/6/2007 | 6/6/2007 | 6/6/2007 | | -6/7/2007 | 6/7/2007 | 6/7/2007 | _ | 6/8/2007 | 6/8/2007 | 6/8/2007 | · | 6/8/2007 | 6/8/2007 | 6/8/2007 | 6/8/2007 | 6/8/2007 | 6/8/2007 | 6/9/2007 | | 6/9/2007 | _ | _ | | 6/10/2007 | | 6/10/2007 |

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| Date L Time | e Gravity Temp | 11-1 | Name | Lease Name | Tank | Lact Meter | 3t # | Unioad bbls | Load bbls |
|------------------------------|----------------|---------|------------|----------------------|----------|------------|--------|-------------|-----------|
| 6/10/2007 PM | 80.4 | 84549 | Scott | Quitman | ۵ | | 58565 | | 185 |
| 6/10/2007 PM | 80.4 | Got 126 | Sid | Valentine | ۵ | | 18719 | | 210 |
| 6/11/2007 AM | 80.4 | 84618 | Fish | Quitman | Ω | | 94470 | | 200.8 |
| 6/11/2007 PM | 80.4 | 84628 | Robert | Liberty | _ | | 536002 | | 190 |
| 6/11/2007 PM | 80.4 | 84733 | D Sugg | Liberty | Ω | | 535902 | | 190 |
| 6/11/2007 PM | 80.4 | 84663 | Norwood | Liberty | | | 193155 | | 500 |
| 6/11/2007 PM | 80.4 | 84549 | B.Caskey | Quitman | ۵ | | 58568 | | 197.3 |
| 6/12/2007 AM | 80.4 | 82617 | Wilber | St. James | | | 68406 | .• | 225 |
| 6/12/2007 AM | 80.4 | 84628 | Robert | Liberty | ۵ | | 536003 | | 190 |
| 6/12/2007 AM | 80.4 | 84733 | D Sugg | Liberty | _ | | 535903 | | 190 |
| 6/12/2007 PM | 80.4 | Got 123 | Jeff | Valentine | Δ | | 18579 | | 220 |
| 6/12/2007 PM | 80.4 | 84549 | Caskey | Quitman | ۵ | | 58572 | | 195.8 |
| 6/12/2007 PM | 80.4 | 84694 | Mike | Quitman | ۵ | | 58313 | | 184.7 |
| 6/13/2007 AM | 80.4 | 84628 | Robert | Liberty | Δ | | 536004 | | 190 |
| 6/13/2007 AM | 80.4 | 84733 | D Sugg | Liberty | Ω | | 535904 | | 190 |
| 6/13/2007 PM | 80.4 | Got 123 | Jeff | Valentine | <u></u> | | 18582 | | 225 |
| 6/13/2007 PM | 80.4 | 84694 | Mike | Quitman | ۵ | | 58318 | | 180 |
| 6/13/2007 PM | 80.4 | 84549 | Scott | Quitman | _ | | 58574 | | 185 |
| 6/13/2007 PM | 80.4 | Got 122 | Brandon | Valentine | _ | | 18610 | | 195 |
| 6/14/2007 AM | 80.4 | Got 123 | Jeff | Valentine | Ω | | 18584 | | 220 |
| 6/14/2007 AM | 80.4 | 84628 | Robert | Liberty | _ | | 536005 | | 190 |
| 6/14/2007 AM | 80.4 | 84733 | D Sugg | Liberty | ۵ | | 535605 | | 190 |
| 6/14/2007 AM | 80.4 | 84663 | J. Lessley | Liberty | ۵ | | 535706 | | 195 |
| 6/14/2007 AM | 80.4 | 84632 | | Liberty | ۵ | | 431906 | | 195 |
| 6/14/2007 PM | 80.4 | 84560 | Greg | Valentine | Ω | | 18006 | | 195 |
| 6/14/2007 PM | 80.4 | 84588 | Foster | Quitman | ۵ | | 290163 | | 224.8 |
| 6/14/2007 PM | 80.4 | 84549 | Scott | Quitman | _ | | 58575 | | 185 |
| 6/15/2007 AM | 80.4 | Got 123 | Jeff | Valentine | Ω | | 18586 | | 221.5 |
| 6/15/2007 AM | 80.4 | 84599 | Dean | Quitman | _ | | 58382 | | 190 |
| ÷ | 80.4 | 84628 | Robert | Liberty | <u> </u> | | 236006 | | 190 |
| 6/15/2007 AM | 80.4 | 84733 | D Sugg | Liberty | Δ | | 235906 | | 190 |
| 6/15/2007 PM | 80.4 | Got 122 | Brandon | Valentine | ۵ | | 18613 | | 195 |
| 6/15/2007 PM | 80.4 | 84588 | Foster | Quitman | _ | | 290166 | | 224.6 |
| 6/15/2007 PM | 80.4 | 82617 | Roger | St. James | _ | | 68409 | | 225.1 |
| 6/16/2007 AM | 80.4 | 84560 | Greg | Valentine | _ | | 18008 | | 195 |
| 6/16/2007 AM | 80.4 | 84599 | Dean | Quitman | ۵ | | 58385 | - | 190 |
| 6/16/2007 AM | 80.4 | 85418 | Caskey | Quitman | ۵ | | 58326 | | 196.8 |
| 6/16/2007 PM | 80.4 | 84588 | Foster | Quitman | Ω | | 290167 | | 224.2 |
| 6/16/2007 PM | 80.4 | Got 122 | Brandon | Valentine | Ω | | 18612 | | 195 |
| 6/16/2007 PM | . 80.4 | 84588 | Foster | Quitman | ۵ | | 290168 | | 224.3 |
| 6/17/2007 AM 6/17/2007 PM | е О | Got 123 | Norwood | Liberty Valentine | ۵ | | 18589 | | 196.5 |
| -11 | | | 71 | | | | | | |

| Date L Time | Time Gravity Temp | Truck# | Name | Lease Name | Tank | Lact Meter | ## | Unload bbls | Load bbis |
|--------------|-------------------|---------|-----------|------------|----------|------------|--------|-------------|-----------|
| 6/17/2007 PM | 80.4 | 418 | Scott | Quitman | ۵ | | 58329 | | 185 |
| 6/18/2007 AM | 80.4 | 84618 | Fish | Quitman | _ | | 94475 | | 200.5 |
| 6/18/2007 AM | 80.4 | 84628 | Robert | Liberty | Ω | | 536007 | | 190 |
| 6/18/2007 AM | 80.3 | 84733 | D Sugg | Liberty | Ω | | 535907 | | 190 |
| _ | 80.4 | Got 123 | Jeff | Valentine | ۵ | | 18591 | | 195.1 |
| | 80.4 | 84628 | Robert | Liberty | Ω | | 536008 | | 190 |
| 6/19/2007 AM | 80.4 | 84733 | D Sugg | Liberty | Δ | | 535908 | | 190 |
| 6/19/2007 PM | 80.4 | Got 126 | Sid | St. James | Ω | | 18726 | | 210 |
| | 80.4 | Got 123 | Jeff | Valentine | ۵ | | 18744 | | 194.5 |
| | 80.4 | 82617 | Roger | St. James | | | 68414 | | 188 |
| | 80.4 | 85418 | Scott | Quitman | Ω | | 58335 | | 185 |
| | 80.4 | 84632 | B. Dozier | | Ω | | 431911 | | 195.2 |
| | 80.4 | Got 122 | Brandon | St. James | ۵ | | 18616 | | 210 |
| | 80.4 | Got 123 | | Valentine | ۵ | | 018 | | 195 |
| | 80.4 | 84694 | Mike | Quitman | ۵ | | 58293 | | 185 |
| | 80.4 | 84628 | Robert | Liberty | ۵ | | 536009 | | 190 |
| | 80.4 | 84733 | D Sugg | Liberty | <u> </u> | | 535909 | | 190 |
| | 80.3 | Got 123 | Jeff | Valentine | ۵ | ٠ | 18747 | | 195 |
| | 80.4 | 208 | Mike | St. James | Ω | | 196728 | | 185 |
| | 80.4 | 84694 | Mike | Quitman | Ω | | 58298 | | 185 |
| | 80.4 | Got 122 | Brandon | Valentine | Ω | | 18618 | | 220 |
| | 80.4 | 84628 | Robert | Liberty | ۵ | | 536010 | | 190 |
| _ | 80.4 | 84733 | D Sudd | Liberty | Ω | | 535910 | | 190 |
| | 80.4 | Got 126 | | Valentine | ۵ | | 18728 | | 195 |
| | 80.4 | 84628 | Robert | Liberty | Ω | | 536011 | | 190 |
| | 80.4 | 84733 | D Sugg | Liberty | | | 535911 | | 190 |
| | 80.4 | 84694 | Mike | Quitman | ۵ | | 58300 | | 185.2 |
| 6/22/2007 PM | 80.4 | Got 122 | Brandon | St. James | ۵ | | 18620 | | 220 |

| | | | Lisboi | n Gas Pro | cessing U | ıload | ina Loa | | |
|-----------|------|---------|---------|-----------|------------|-------|----------|--------------|---------|
| Date UL | Time | Gravity | | Name | Lease Name | | | Run Ticket # | Barrels |
| 5/23/2007 | PM | 0.66 | 1320 | Johnny T. | Geismar | Α | | 308654 | 181.44 |
| 5/23/2007 | PM | 0.66 | Got 126 | | Geismar | Α | | 18405 | 202.71 |
| 5/23/2007 | PM | 0.66 | 502 | Joey | Geismar | Α | | 4788/196425 | 175.9 |
| 5/23/2007 | РМ | 0.66 | Got 123 | | Geismar | Α | | 18566 | 190.36 |
| 5/24/2007 | РМ | 0.66 | | Johnny T. | Geismar | Α | | 4793 | 180.9 |
| 5/24/2007 | РМ | 0.66 | Got 123 | | Geismar | Α | | 18408 | 204 |
| 5/24/2007 | РМ | 0.66 | Got | | Geismar | Α | | 18583 | 190.3 |
| 5/25/2007 | PM | 0.66 | Got 123 | Jeff | Geismar | Α | | . 18572 | 198.4 |
| 5/25/2007 | РМ | 0.66 | 84560 | Greg | Geismar | Α | | 18606 | 186 |
| 5/25/2007 | PM | 0.66 | 1320 | Johnny T. | Geismar | Α | | 308658 | 183.76 |
| 5/25/2007 | PM | 0.66 | Got 122 | Brandon | Geismar | Α | | 18062 | 190 |
| 5/26/2007 | AM | 0.66 | 82617 | Wilber | Geismar | ·Α | | 402609 | 203.98 |
| 5/26/2007 | PM : | 0.66 | Got 122 | Brandon | Geismar | Α | | 18062 | 190 |
| 5/26/2007 | PM | 0.66 | 1320 | Johnny T. | Geismar | Α | | 308660 | 184.08 |
| 5/27/2007 | AM | 0.66 | 82617 | Roger | Geismar | Α | | 402611 | 207.76 |
| 5/27/2007 | PM | 0.66 | Got 122 | Brandon | Geismar | Α | | 18596 | 190 |
| 5/27/2007 | PM | 0.66 | Got 126 | Sid | Geismar | Α | | 185580 | 197.85 |
| 5/28/2007 | AM | 0.66 | 84560 | Wilber | Geismar | Α | | 18608 | 187 |
| 5/28/2007 | AM | 0.66 | 82617 | Roger | Geismar | Α | | 402613 | 200.73 |
| 5/28/2007 | PM | 0.66 | 1320 | Johnny T. | Geismar | Α | | 308662 | 182.15 |
| 5/29/2007 | PM | 0.66 | Got 126 | Sid | Geismar | Α | ļ | 18410 | 201.33 |
| 5/29/2007 | AM | 0.66 | 84560 | Greg | Geismar | Α | | 18611 | 192.17 |
| 5/29/2007 | AM | 0.66 | 82617 | Roger | Geismar | Α | 1 | 402614 | 206.08 |
| 5/29/2007 | PM | 0.66 | Got 123 | Jeff . | Geismar | Α | | 18569 | 191.05 |
| 5/30/2007 | AM | 0.66 | Got 126 | Sid | Geismar | Α | | 18412 | 201.51 |
| 5/30/2007 | AM | 0.66 | 502 | Joey | Geismar | Α | | 196577 | 173.53 |
| 5/30/2007 | PM | | 82617 | Greg | Geismar | Α | | 402617 | 206.84 |
| 5/30/2007 | PM | | 1320 | Johnny T. | Geismar | Α | - | 308664/4862 | 183.54. |
| 5/30/2007 | PM | | Got 123 | Jeff | Geismar | A | | 18577 | 191.28 |
| 5/31/2007 | PM | 0.65 | Got 122 | Brandon | Geismar | Α | | 4883/18414 | 204 |
| 5/31/2007 | AM | 0.66 | 1320 | Johnny T. | Geismar | A | | 308666/4882 | 179.34 |
| 5/31/2007 | PM | 0.66 | 84560 | Greg | Geismar | Α | | 18612 | 186 |
| | | ŀ | | | | | | | 6143.99 |
| 6/1/2007 | PM | | 84560 | Wilber | Geismar | Α | • | 18613 | 186.1 |
| 6/1/2007 | 1 | | Got 123 | 1 | Geismar | A | 1 | 18574 | 191.28 |
| 6/1/2007 | PM | | Got 122 | Brandon | Geismar | A | 1 | 18600 | 204 |
| 6/1/2007 | PM | | 1320 | Johnny | Geismar | Α | | 308668 | 178.06 |
| 6/2/2007 | PM | 0.66 | 1320 | Johnny | Geismar | A | | 308670 | 178.75 |
| 6/2/2007 | PM | 0.66 | 1 | Brandon | Geismar | A | | 18602 | 190 |
| 6/3/2007 | PM | 0.66 | 82617 | Wilber | Geismar | A | | 18616 | 184.98 |
| 6/3/2007 | 1 | 0.66 | 1 | Brandon | Geismar | A | | 18604 | 190 |
| 6/3/2007 | 1 | 0.66 | Got 126 | | Geismar | A | | 18415 | 201.81 |
| 6/4/2007 | 1 | 0.66 | 1320 | Johnny | Geismar | Α | 1 | 308672 | 179.07 |
| 6/4/2007 | 1 | 0.66 | 84580 | Lester | Geismar | Α | | 308550 | |
| 6/5/2007 | 1 | 0.65 | Got 126 | 1 | Geismar | Α | | 18417 | 203.35 |
| 6/5/2007 | | 0.65 | 87620 | Mike F | Geismar | Α | | 308494 | 161.32 |
| 6/6/2007 | i | 0.65 | 84560 | Greg | Geismar | Α | | 18619 | 186.03 |
| 6/6/2007 | | | Got 123 | | Geismar | Α | | 18576 | 193.59 |
| 6/6/2007 | | 0.65 | 1320 | Johnny | Geismar | A | | 308674 | 177.8 |
| 6/6/2007 | PM | 0.65 | Got 122 | Brandon | Geismar | A | <u> </u> | 18716 | 185 |

| | | | | • | | | | | |
|-----------|------|--------|---------|----------|------------|----|------------|--------------|---------|
| | | | | | | | | | |
| Date UL | Time | | Truck # | Name | Lease Name | | Lact Meter | Run Ticket # | Barrels |
| 6/9/2007 | PM | 0.66 | Got 126 | | Geismar | Α | | 18608 | 203.86 |
| 6/10/2007 | AM | 0.66 | | Wilber | Geismar | Α | | 18624 | 188.76 |
| 6/10/2007 | AM | 0.66 | 84691 | Fredrick | Geismar | Α | | 326357 | 150.49 |
| 6/10/2007 | 1 1 | 0.66 | 1320 | Johnny | Geismar | Α | | 326228 | 188.24 |
| 6/10/2007 | PM | 0.66 | ľ | Fredrick | Geismar | Α | | 326358 | 155.46 |
| 6/10/2007 | | 0.66 | Got 126 | | Geismar | Α | i | 18718 | 203.05 |
| 6/11/2007 | | 0.66 | | Roger | Geismar | Α | · | 68404 | 206.53 |
| 6/11/2007 | 1 | 0.66 | 84563 | Johnson | Geismar | Α | | 326157 | 164.02 |
| 6/11/2007 | • | 0.66 | 84691 | Fredrick | Geismar | Α | | 326360 | 150.85 |
| 6/11/2007 | | 0.66 | | Reggie | Geismar | Α | | 196125 | 150.97 |
| 6/12/2007 | | 0.66 | 84560 | Greg | Geismar | Α | | 18001/4980 | 189.9 |
| 6/12/2007 | 1 | 0.66 | 82617 | Wilber | Geismar | Α | | 68405/4994 | 205.93 |
| 6/12/2007 | | 0.66 | 502 | Joey | Geismar | Α | 1 | 196578/4987 | 178.28 |
| 6/12/2007 | | 0.66 | | Jeff | Geismar | Α | , | 18720/4998 | 204 |
| 6/12/2007 | | 0.66 | 87620 | Mike F | Geismar | Α | | 308498/5002 | 157.94 |
| 6/12/2007 | | 0.66 | 84691 | Fredrick | Geismar | Α | | 326361/5006 | 155.03 |
| 6/12/2007 | | 0.66 | 82112 | Mitch | Geismar | Α | | 308798/4996 | 173.33 |
| 6/12/2007 | PM | 0.66 | 399 | Reggie | Geismar | A | | 196077/5008 | 155.8 |
| 6/13/2007 | AM | 0.66 | 84560 | Greg | Geismar | Α | Ì | 018003/5012 | 193.22 |
| 6/13/2007 | AM | 0.66 | 501 | Danny | Geismar | Α | ľ | 306753/5010 | 160.51 |
| 6/13/2007 | AM | 0.66 | 82617 | Wilber | Geismar | Α | ļ | 68407/5011 | 216.98 |
| 6/13/2007 | PM | 0.66 | Got 123 | Jeff | Geismar | Α | | 018581/5013 | 210 |
| 6/13/2007 | PM | 0.66 | 84691 | Fredrick | Geismar | A | | 326362/5017 | 154.72 |
| 6/13/2007 | PM | 0.66 | Got 122 | Brandon | Geismar | Α | | 018609/5020 | 190 |
| 6/14/2007 | AM | 0.66 | 502 | Joey | Geismar | Α. | | 196580 | 159.05 |
| 6/14/2007 | PM | 0.66 | 84560 | Greg | Geismar | A | | 18005 | 185.54 |
| 6/14/2007 | PM | 0.66 | Got 123 | Jeff | Geismar | Α. | | 18585 | 200.16 |
| 6/14/2007 | PM | 0.66 | 82117 | Mitch | Geismar | Α | | 196251 | 158.51 |
| 6/14/2007 | PM | 0.66 | 1320 | Johnny | Geismar | Α | | 326230 | 179.88 |
| 6/14/2007 | PM | 0.66 | Got 122 | Brandon | Geismar | Α | | 18611 | 189.98 |
| 6/16/2007 | PM | 0.65 | Got 126 | Sid | Geismar | Α | | 18721 | 201.88 |
| 6/16/2007 | PM | 0.65 | Got 122 | Brandon | Geismar | Α | | 8614 | 190 |
| 6/17/2007 | ' AM | 0.65 | 82617 | Roger | Geismar | A | ļ | 68410 | 208.12 |
| 6/17/2007 | PM | 0.65 | Got 123 | | Geismar | A | | 185588 | 190.5 |
| 6/17/2007 | PM | 0.65 | 84560 | Wilber | Geismar | Α | | 18007 | 184.87 |
| 6/18/2007 | ' AM | 0.65 | Got 126 | Sid | Geismar | A | | 18723 | 202.64 |
| 6/18/2007 | ' AM | 0.66 | 502 | Joey | Geismar | Α | | 196583 | 140.22 |
| 6/18/2007 | PM | 0.66 | 82617 | Roger | Geismar | Α | | 68411 | 183.05 |
| 6/18/2007 | | 0.66 | 84560 | Wilber | Geismar | Α | | 18011 | 184.98 |
| 6/18/2007 | | 0.66 | Got 123 | Jeff | Geismar | A | | 18590 | 190 |
| 6/19/2007 | PM | 0.66 | Got 126 | Sid | Geismar | A | | 18725 | 202.28 |
| 6/19/2007 | PM | 0.66 | Got 126 | | Geismar | A | | 18742 | 190.76 |
| 6/19/2007 | PM | 0.66 | 82617 | Roger | Geismar | Α | | 68413 | 183.66 |
| 6/19/2007 | | 0.66 | 82112 | M.H. | Geismar | A | 1 | 196254 | 157.68 |
| 6/20/2007 | 1 | 0.65 | 84560 | Greg | Geismar | Α | | 18013 | 188.8 |
| 6/20/2007 | | 0.65 | 4 | Brandon | Geismar | A | | 18615 | 204 |
| 6/20/2007 | | 0.65 | Got 123 | į. | Geismar | Α | | 18745 | 190.76 |
| 6/20/2007 | 1 | 0.66 | 82617 | Wilber | Geismar | Α | 1 | 68415 | 182.2 |
| 6/20/2007 | | 0.68 | 87620 | Mike F | Geismar | A | | 255456 | 158.16 |
| ,,,,,, | | 1 5.55 | l | 1 | 1 | | I | | |
| 6/20/2007 | PM | 1 | 399 | Reggie | Geismar | H | | 196089 | 153.32 |

| Date UL | Time | Gravity | Truck # | Name | Lease Name | Tank | Lact Meter | Run Ticket # | Barrels |
|-----------|------|---------|---------|---------|------------|------|------------|--------------|---------|
| 6/21/2007 | PM | 0.65 | Got 122 | Brandon | Geismar | H | | 18617 | 204 |
| 6/21/2007 | PM | 0.65 | 502 | Joey | Geismar | Н | | | 156.53 |
| 6/22/2007 | AM | 0.65 | 84560 | Greg | Geismar | Н | | 68416 | 187.52 |
| 6/22/2007 | PM | 0.65 | Got 126 | Sid | Geismar | Н | | 18727 | 191.95 |
| 6/22/2007 | PM | 0.65 | Got 122 | Brandon | Geismar | Н | | 18619 | 201.68 |
| 6/23/2007 | PM | 0.65 | 84563 | John | Geismar | Ι | | 258983 | 172.85 |

LAW OFFICES

SUITE 1100, ONE AMERICAN PLACE 301 Main Street · Baton Rouge, Louisiana 70825

TELEPHONE: (225) 387-5068 FAX: (225) 387-4996

PERZOD70003

original to

NEW ORLEANS OFFICE ZIST FLOOR PAN-AMERICAN LIFE CENTER 601 POYDRAS STREET ORLEANS, LOUISIANA 70130-6097 TELEPHONE: (504) 586-1241 FAX: (504) 584-9142

120078003

SHREVEPORT OFFICE IOTH FLOOR LOUISIANA TOWER 401 EDWARDS STREET SHREVEPORT, LOUISIANA 71101-3289 TELEPHONE: (318) 227-1131 FAX: (316) 227-H41

TIMOTHY W. HARDY PARTNER (225) 367-5068 therdy@femile.com

June 12, 2007

Hand Delivered

Dr. Chuck C. Brown Assistant Secretary Office of Environmental Services Louisiana Department of Environmental Quality P.O. Box 4312 Baton Rouge, Louisiana 70821-4312

Re:

Lisbon Processing, L.L.C. Claiborne Parish, Louisiana Agency Interest No. 2108

Attachment I

51C 5171= Petroleum Bill

Stations & Terminal

Dear Dr. Brown:

On behalf of Lisbon Processing, L.L.C. ("Lisbon"), Lemle & Kelleher, LLP submits the revised Minor Source Air Permit Application for the Lisbon facility located at 18647 Hwy 2 in Lisbon, Louisiana. The revised application contains the original signatures for the responsible official and the Certificate from the Secretary of State. Also included is the permit application review fee of \$379.00.

If you need any additional information to complete the review of the attached application, please contact Joyce Matthews or me at the above Baton Rouge address and/or telephone. Thank you for your attention.

Very truly yours,

Attachment

cc:

Ms. Cheryl Nolan

Dr. Harold Leggett (w/o attachment) Mr. Jeffery Nolan (w/o attachment) Mr. Otis Randall (w/o attachment)

RECEIPT OF CHECK

Report Date/Time 6/12/2007 11:09:13 AM

| AI NUMBER | 2108 |
|--------------------|----------------------|
| Company Name | Lemle & Kelleher LLP |
| Site Name/Location | |
| Phone Number | (225) 387-5068 |
| Date Received | 6/12/2007 |
| Date on Check | 6/12/2007 |
| Check Number | 3290 |
| Amount Received | \$379.00 |

RECEIPT GENERATED BY:

Barbara Williamson

COMMENTS

revised submittal of minor source app for Lisbon Processing,

L.L.C., Lisbon facility including fee

Media:

AIR QUALITY

| Media Type (c Hazardous Wa Solid Waste Radiation Lice | ıste 🗍 Air 🛭 Water 🗍 | Agency Interest Num Is this a copy of a pre If yes, indicate the or If yes, indicate the or | viously submitte iginal submittal d | late: 4/13/07 | _ | | | | |
|--|---|--|---|---------------------------------|-------------------|--|--|--|--|
| Department of Environmental Quality Permits Division P.O. Box 4313 Baton Rouge, LA 70821-4313 (225) 219-3181 | | · • | rmit App er 3:I.1701 | lications | LOEQ | | | | |
| Picase Type Or Print | Company Name Lisbon Processing, L.L.C. Parent Company (If Company Name (If any) | me given above is a division) | □ Owner ☑ Operator | For Permits | Division Use Only | | | | |
| nature individ more in entity a Per Per Do you | 1. Does the company or owner have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying in other states? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.) Permits in Louisiana. List Permit Numbers: | | | | | | | | |
| your constants Certification I certify, unstatements, | ompany's Certificate of I on: one provisions in Louisi , that based on information | or limited liability company Registration and/or Certific ana and United States law on and belief formed after i | ate of Good St which provide easonable inqu | anding from to criminal pena | he Secretary of | | | | |
| Responsion Name James H. Title Manager Company Lisbon P | n contained in this Adder ate, and complete. sible Official | Example 2 Section 1 Section 1 Section 2 Sectio | tion, including | s all attachments | nts thereto are | | | | |

form_7037_r03 06/30/04

United States of America State of Louisiana



As Secretary of State, Jay Dardenne, I do hereby Certify that

LISBON PROCESSING, LLC

A limited liability company domiciled in SHREVEPORT, LOUISIANA,

Filed charter and qualified to do business in this State on October 12, 2006,

I further certify that the records of this Office indicate the company has paid all fees due the Secretary of State, and so far as the Office of the Secretary of State is concerned, is in good standing and is authorized to do business in this State.

I further certify that this certificate is not intended to reflect the financial condition of this company since this information is not available from the records of this Office.

In testimony whereof, I have hereunto set My hand and caused the Seal of my Office To be affixed at the City of Baton Rouge on,

April 11 2007

Secretary of State 36289844K



Certificate ID: 20070411004625

To validate this certificate, visit the following web site, go to Commercial Division, Validate Certificate, then follow the instructions displayed.

www.sos.louistana.gov

United States of America State of Louisiana



As Secretary of State, Jay Dardenne, I do hereby Certify that

LISBON REFINERY J.V., L.L.C.

A limited liability company domiciled in SHREVEPORT, LOUISIANA,

Filed charter and qualified to do business in this State on February 9, 1998,

I further certify that the records of this Office indicate the company has paid all fees due the Secretary of State, and so far as the Office of the Secretary of State is concerned, is in good standing and is authorized to do business in this State.

I further certify that this certificate is not intended to reflect the financial condition of this company since this information is not available from the records of this Office.

In testimony whereof, I have hereunto set My hand and caused the Seal of my Office To be affixed at the City of Baton Rouge on,

4 2007

Secretary of State

June

OF LOUISIAN OF LOUISIAN OF LOUISIAN OF LOUISIAN OF LOUISIAN OF TARY OF

Certificate ID: 20070604004752

To validate this certificate, visit the following web site, go to Commercial Division, Validate Certificate, then follow the instructions displayed.

www.sos.louisiana.gov

LISBON PROCESSING, L.L.C. LISBON, LOUISIANA

Application for Approval of Emissions and Emission Inventory Questionnaire

For

Lisbon Facility

Permit Application

June 2007

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- 1.2 Air Emissions

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Section 1.0

Introduction

1.0 INTRODUCTION

Lisbon Processing, L.L.C. is a bulk crude oil storage and wholesale facility. LSR (lower sulfur content oil) is offloaded from tanker trucks and stored in large aboveground storage tanks (ASTs) on the site. Geismer (higher sulfur content oil) is also offloaded from tanker trucks and treated with caustic to lower the sulfur content. Once the Geismer is treated, it is also stored in the ASTs present on the site. Once the market for oil is favorable for resale, the stored LSR and treated Geismer is then loaded onto tanker trucks to be sold. The facility is located in Lisbon, Claiborne Parish, Louisiana. Figure 1 shows the location of the facility.

This application is being submitted to satisfy the request of the Louisiana Department of Environmental Quality (LDEQ) to obtain an air permit before operations on this site can commence. This permit application demonstrates that the Lisbon Processing, L.L.C. Facility will emit small source numbers of volatile organic compounds (VOCs) and Toxic Air Pollutants (TAPs).

1.1 Process Description

When a tanker truck arrives at the facility, it pulls into the loading rack and begins offloading oil. If the oil is LSR, the fluid is pumped directly to storage tanks until the market is beneficial for resale. If the oil is Geismer, it is pumped into one of the two Geismer storage tanks present on the site. The Geismer is then pumped through a treatment process that introduces caustic to lower the sulfur content in the oil. The treated Geismer is then pumped into the treated Geismer storage tank where is can be transferred to any of the other tanks on the site for storage. When the market is beneficial for resale, the treated Geismer is loaded onto tanker trucks and sold.

1.2 Air Emissions

The permit application identifies emission sources pertaining to the process described above:

Volatile Organic Compound (VOC) and Toxic Air Pollutant (TAP) emissions are generated from the loading of crude oil onto tanker trucks, storage of crude oil, and the working losses created when the tanks are filled and emptied. The ten (10) large storage tanks present on the site all have internal floating roofs. Nine (9) of the internal floating roofs have double rubber vapor barriers and one (1) internal floating roof has a single rubber vapor barrier. These barriers stay in contact with the tank walls as the tanks are filled and emptied. These vapor barriers are used to significantly reduce VOC emissions from the tanks. The total tons of VOCs and TAPs emitted from the tanks were calculated using the TANKS 4.0 Program and using the AP-42 standards for petroleum loading. As can be seen from the calculations, the total annual VOC and TAP emissions from the ten (10) storage tanks and loading area are approximately ninety (90) tons.

Emission figures in this application are based on the expected operations and have been increased.

Section 2.0

Regulatory Applicability

2.0 REGULATORY APPLICABILITY

2.1 NESHAP Part 63 Standards (MACT)

Does not apply.

2.2 New Source Performance Standards (NSPS)

40 CFR 60, Subparts K, KA, and KB

2.3 NESHAP Part 61 Standards

Does not apply.

2.4 Louisiana Air Quality Regulations

As the calculations show in Exhibit 1 of this application, Lisbon Processing, L.L.C. is a small source for air pollutants emitted. The calculations using the TANKS 4.0 Program and AP-42 standards for petroleum loading show the annual VOC and TAP emissions to be approximately ninety (90) tons.

2.5 Prevention of Significant Deterioration (PSD) Regulations

Does not apply, no major modifications are being made.

2.6 Non-Attainment New Source Review (NNSR)

Does not apply, no major modifications are being made.

2.7 Groundwater

Multiple monitoring wells are present at the facility.

Section 3.0

Application for Approval of Emissions

Department of Environmental Quality Permits Division P.O. Box 4313 Baton Rouge, LA 70821-4313

LOUISIANA



| (225) 219-3181 | | 1 | Application for Approval of | | | | LDEQ VES |
|---|---|---------------------------------------|---------------------------------|--------------|------------------------------|----------------|------------------------|
| | | Em | issions of | E Air | Pollut | ants | 3 |
| 1 | | | | | | | |
| 1 | Company Name | <u>.</u> | | | Owner | For Penn | its Division Use Only |
| | Jone 2.17 | | | | ⊠ Operator | | , |
| Please Type | Lisbon Proce | ssina L.L.C. | | | İ | | |
| or ' | 2.550 | | | | | | |
| Print | Parent Compa | ny (if Company | on) | | | | |
| | Plant name (if any) | | | | | | |
| | | | | | | | |
| | 1 | | | | į | | |
| | Nearest town Parish where located | | | | | | |
| | Lisbon, Loui | siana | c: | laiborne | | | |
| | Agency Inter | | a | OS Number | | • | |
| | 2108 | | | | | | |
| | | | | | | _ 411 | ion required to games |
| an understan | | brief descript | ion of proposed act | ion. Attac | N IIOM CTEGLET | B, IIIUstrat | ion required to convey |
| Initial Permit | Application - Li | | g, L.L.C. is a bulk crue | | | | |
| capacities of | 5,000 barrels to | 20,000 barrels a | re located at the facili | ity. The cru | de oll storage, s | torage tank fi | lling and withdrawing, |
| and tanker to | uck loading acco | ounts for all emi | ssions at the facility. | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | 12 12 12 12 12 12 12 12 12 12 12 12 12 1 | | | | | | |
| 3 PHYSICAL | LOCATION, OWN | ERSHIP AND USE | OF ADJOINING PROPE | ERTY. | ⊠ Map | or descript | ion attached. |
| DISTANCE | TO (km): Texa | s <u>115</u> | Arkansas24 | Mississ | ippi <u>153</u> | Alabama _ | 415 |
| T A T T T T T T T T T T T T T T T T T T | OF FACILITY F | RONT GATE: | 32 DG 47 M | i 42 5 | EC | | |
| | | 2 | | | | | |
| | | | 92 DG 48 M | | | | |
| The propert | y to the north | of the Lisbon | Gas Processing Fac | ility has | a residential | site, wooded | areas, and a gas |
| | | | oded area. The pro | | | residential | site and wooded |
| areas. The | property to t | ng south has a | ii liidustiial site s | ara wooded | areas. | | |
| | | · · · · · · · · · · · · · · · · · · · | | | | | |
| 4 TYPE OF | APPLICATION | | | | | T est to a | |
| Part 70 G | eneral | Part 70 R | egular | State | | NSR | |
| Reconcilion Reconcilion | conciliation Renewal (Part 70) Modification or expansion of existing facility lety new facility Previously grandfathered, exempted or unpermitted | | | | | | |
| | | | 14 6 | -Al · | 6.464 | | ·m··ant to |
| PROJECT FEE LAC 33:III.CI | | Enter fee number FEE NO. | er, permit type, produc TYPE | | ty/thruput, and t LPACITY | TRIVOMA | arauan t to |
| | | 1640 | New Permit | | N/A | \$379.00 | (Already submitted) |
| 5 KEY DAT | E9 | | | | - | | |
| J , | | | | | | | |

Estimated date construction will commence: Already Constructed Estimated date operation will commence: LDEQ approved <u>date</u>

Note: A completed Emission Inventory Questionnaire (EIQ) that reflects projected emissions from your facility as a whole after the project described in this application becomes operational must be submitted with this application. If you are submitting an application that is for modification or expansion of an existing facility, the Department of Environmental Quality must also have an EIQ for existing emissions. If you have already submitted an EIQ that is on file with the Department, it may fulfill this requirement. Consult instructions for further details.

6 EMISSIONS BY POLLUTANT

List each emission from all sources. Group by pollutant PM_{10} , SO_2 , NO_x , CO, VOC Toxic Air Pollutants (TAPs), non-VOC TAPs, Other VOC, non-VOC/non-TAPs, and Total VOC. Grouping by SARA VOC and SARA non-VOC is optional. Show total tons/year for each pollutant. Consult instructions.

| Emission Point ID number | Pollutant (List individual TAPs and non-criteria hydrocarbons separately) | Permitted Emission Rate Before | Permitted Emission Rate After |
|--|---|-----------------------------------|--|
| | separatery, | tons/yr | tons/yr |
| T-A1 | Hexane (-n) | 0.003 | |
| T-B2 | Hexane (-n) | 0.004 | |
| T-C3 | Hexane (-n) | 0.004 | |
| T-D4 | Hexane (-n) | 0.003 | |
| T-F6 | Hexane (-n) | 0.003 | |
| T-G7 | Hexane (-n) | 0.003 | |
| Т-Н8 | Hexane (-n) | 0.003 | |
| T-19 | Hexane (-n) | 0.003 | |
| T-L12 | Hexane (-n) | 0.005 | |
| T-M13 | Hexane (-n) | 0.003 | |
| LR-1 | Hexane (-n) | 0.327 | |
| ······································ | Total Hexane (-n) | 0.361 | |
| | | | |
| T-Al | Benzene | 0.005 | |
| T-B2. | Benzene | 0.005 | |
| T-C3 | Benzene | 0.006 | · |
| T-D4 | Benzene | 0.004 | |
| T-F6 | Benzene | 0.004 | |
| T-G7 | Benzene | 0.004 | |
| т-н8 | Benzene | 0.004 | |
| T-19 | Benzene | 0.004 | |
| T-L12 | Benzene | 0.007 | |
| T-M13 | Benzene | 0.004 | |
| LR-1 | Benzene | 0.491 | |
| | Total Benzene | 0.538 | |
| T-A1 | Toluene | 0.008 | · |
| T-B2 | Toluene | 0.009 | |
| T-C3 | Toluene | 0.010 | |
| T-D4 | Toluene | 0.006 | |
| T-F6 | Toluene | 0.006 | |
| T-G7 | Toluene | 0.007 | |
| T-H8 | Toluene | 0.007 | |
| T-19 | Toluene | 0.007 | |
| T-L12 | Toluene | 0.012 | |
| T-M13 | Toluene | 0.007 | • |
| LR-1 | Toluene | 0.818 | |
| | Total Toluene | 0.897 | † |
| | | - | |
| | | | |

| Emission Point ID number | Pollutant (List individual TAPs and non-criteria hydrocarbons | Permitted Emission Rate Before | Permitted Emission Rate After |
|--------------------------------|---|-----------------------------------|---------------------------------------|
| | separately) | tons/yr | tons/yr |
| T-A1 | Ethyl benzene | | cons/yr |
| T-B2 | I | 0.003 | |
| T-C3 | Ethyl benzene | 0.004 | |
| T-D4 | Ethyl benzene | 0.004 | ' |
| | Ethyl benzene | 0.003 | |
| T-F6 | Ethyl benzene | 0.003 | |
| T-G7 | Ethyl benzene | 0.003 | |
| Т-Н8 | Ethyl benzene | 0.003 | |
| T-19 | Ethyl benzene | 0.003 | |
| T-L12 | Ethyl benzene | 0.005 | |
| T-M13 | Ethyl benzene | 0.003 | |
| LR-1 | Ethyl benzene | 0.327 | |
| - ; | Total Ethyl benzene | 0.361 | |
| T-A1 | Xylene | 0.011 | |
| T~B2 | Xylene | 0.013 | |
| T-C3 | Xylene | 0.013 | |
| T-D4 | Xylene | 0.009 | <u> </u> |
| T-F6 | Xylene | 0.009 | |
| T-G7 | Xylene | 0.010 | |
| T-H8 | Xylene | 0.010 | |
| T-I9 | Xylene | 0.010 | |
| T-L12 | Xylene | 0.017 | |
| T-M13 | Xylene | 0.010 | |
| LR-1 | Xylene | 1.145 | |
| | Total Xylene | 1.257 | |
| | | | |
| T-A1 | H2S | 0.008 | |
| T-B2 | H2S | 0.009 | |
| | Total H2S | 0.017 | · |
| T-Al | VOCs | 0.758 | |
| T-B2 | VOCs | 0.908 | · · · · · · · · · · · · · · · · · · · |
| T-C3 | VOCs | 0.956 | |
| T-D4 | VOCs | 0.637 | |
| T-F6 | VOCs | 0.637 | 1 |
| T-G7 | VOCs | 0.718 | |
| T-H8 | VOCs | 0.718 | <u> </u> |
| T-19 | VOCs · | 0.718 | |
| T-L12 | VOCs | 1.250 | |
| T-M13 | VOCs | 0.718 | |
| LR-1 | VOCs | 81.761 | |
| | Total VOCs | 89.779 | |
| · | | | |
| | 1 | l | I |

7 HISTORY OF PERMITTED EMISSIONS

List each emission level from facility permits (for unit specific permits, the history should be for the unit of concern only). Group by permit and show totals. Include as the last entry, the total emissions following the proposed change, entering the project name for "Permit number" and date of submittal for "Date permit issued". Consult instructions.

| Permit number | Date permit issued | Pollutant | Permitted Emission Rate (tons/yr) |
|---------------------------------------|--------------------|---------------------------------------|--------------------------------------|
| Initial Application | | · · · · · · · · · · · · · · · · · · · | |
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8 Title VI Stratospheric Ozone A Does your facility have any air conditioners or refrigeration equipment that uses CFCs, HCFCs or other ozone-depleting substances? ____ yes _X _ no. Does the air conditioner or refrigeration equipment contain a refrigeration charge greater yes X no than 50 pounds? C Do your facility personnel maintain, service, repair, or dispose of any motor vehicle air conditioners (MVACs) or appliances ("appliance" and "MVAC" as defined at 40 CFR 82.152)? ____yes X no Cite and describe which Title VI requirements are applicable to your facility (i.e. 40 CFR Part 82, Subpart A through G.) in the Regulatory Applicability section of the application. 9 LAC 33:I.1701 Requirements Does the company or owner have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying in other states? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.) Permits in Louisiana. List Permit Numbers: Permits in other states (list states): Do you owe any outstanding fees or final penalties to the Department? If yes, please explain. C Is your company a corporation or limited liability company? X yes ____ no If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State. (Already Submitted)

10 EMISSION POINT LIST AND ANNUAL EMISSION RATE TABLE

Complete the following Emission Point List with the emission point number and description for each emission point. Include also, the associated operating rate or tank capacity and the operating schedule. List all Insignificant Activities under the appropriate heading. For sources claimed to be insignificant based on size or emission rate (LAC 33:III.501.B.5.A), information must be supplied to verify each claim.

Complete the following Annual Emission Rates Table by emission point ID or identifier with the annual emission rates for each appropriate pollutant. Include speciation data as available. Calculate totals for each pollutant and speciation data. List all General Condition XVII Activities under the appropriate heading. Emissions must be listed for each activity. Do not include emissions from General Condition XVII Activities in the totals.

11 APPLICABLE REGULATIONS, AIR POLLUTION CONTROL MEASURES, MONITORING, AND RECORDREEPING

List in the following Tables 1-5, by emission point ID or identifier, state and federal pollution abatement programs and describe how compliance with these programs will be achieved, including test methods that will be used.

EMISSION POINT LIST

Lisbon Processing, L.L.C. Lisbon, Louisiana Claiborne Parish

| Emission Point | Description | Operating Rate (Max)or | Opera | ating Sc | hedule |
|-------------------|------------------------|---------------------------|-------|----------|--------|
| No. | Description | Tank Capacity | H/D | D/W | W/Y |
| T-A1 | Tank A1 | 420,000 gol 10,000 BBLs | 24 | 7 | 52 |
| T-B2 | Tank B2 | 840, 000 spl 20,000 BBLs | 24 | 7 | 52 |
| T-C3 | Tank C3 | 840,000 90 20,000 BBLs | 24 | 7 | 52 |
| T-D4 | Tank D4 | 210,000gel 5,000 BBLs | 24 | 7 | 52 |
| T-F6 | Tank F6 | 210,000ga 5,000 BBLs | 24 | 7 | 52 |
| T-G7 | Tank G7 | 420,000gs) 10,000 BBLs | 24 | 7 | 52 |
| T-H8 | Tank H8 | 10,000 BBLs | . 24 | 7 | 52 |
| T-19 | Tank 19 | 10,000 BBLs | 24 | . 7 | 52 |
| T-L12 | Tank L12 | 10,000 BBLs | 24 | 7 | 52 |
| T-M13. | Tank M13 | 10,000 BBLs | 24 | 7 | 52 |
| LR-I | Crude Oil Loading Rack | 24,528,000 Gallons | 4 | 7 | 52 |

Insignificant Activities List:

ANNUAL EMISSION RATES

Lisbon Processing, L.L.C. Lisbon, Louisiana Claiborne Parish

| Emission | | Permitted | emission rates | are listed in to | ns per year | |
|----------|------------------|-----------------|-----------------|------------------|-------------|-------|
| Point | PM_{10} | SO ₂ | NO _x | CO | voc* | Other |
| T-A1 | | | | | 0.758 | 0.036 |
| T-B2 | | | | | 0.908 | 0.044 |
| T-C3 | | | | | 0.956 | 0.036 |
| T-D4 | | | | | 0.637 | 0.024 |
| T-F6 | | • | | | 0.637 | 0.024 |
| T-G7 | | | | | 0.718 | 0.027 |
| T-H8 | | | | | 0.718 | 0.027 |
| T-19 | | | | | 0.718 | 0.027 |
| T-L12 | | | | | 1.250 | 0.047 |
| T-M13 | | | | | 0.718 | 0.027 |
| LR-1 | | | | | 81.761 | 3.107 |
| Totals | PM ₁₀ | SO_2 | NO_x | со | voc* | Other |

VOC TAP Speciation:

Hexane (-n) – 718 lbs/yr Benzene – 1,078 lbs/yr Toluene – 1,796 lbs/yr Ethylbenzene – 718 lbs/yr Xylene – 2,512 lbs/yr H2S – 34 lbs/yr

See attached TAP calculations for speciation of each emission point.

Other VOC:

non-VOC TAP Speciation:

General Condition XVII Activities List:

Lisbon Processing, L.L.C. Lisbon, Louisiana Claiborne Parish

TABLE 1: APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS

| T | | | Т | — | | | <u> </u> | | | | | | | | |
|-----------------------|-----------------------|---------|------|------|------|------|----------|------|------|------|------|-------|-------|------|--|
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| - | = | | | | | | | | | | | | | | |
| LAC 33:111.Chapter | 2 | | | | | | | | | | | | | | |
| 5 | (21) | 1 and 2 | | 1 | 1 | - | | | _ | - | _ | _ | _ | 2 | |
| 40 CFR | Part 68 CAP | | | | | | | | | | | | | | |
| ın 63 | 5 | | | | | | | | | | | | | | |
| NESHAP 40 CFR Part 63 | 0 | | | | | | | | | | | | | | |
| HESH | ٦ | | | | | | | , | | | | | | | |
| art 61 | ~ | | | | | | | | | | | | | | |
| NESHAP 40 CFR Part 61 | | | | | | | | | | | | | | | |
| NESI | = | | | | | | | | | | | | | | |
| 1 60 | (KB) | | | | _ | - | - | - | | | | | | | |
| NSPS 40 CFR Part 60 | /KA) | 1,2,1 | | | | | | | | | | | | | |
| NSP | , X | | | - | | | | | | - | | 2 | 2 | | |
| | Emission Point No/ | Plant | Wide | T-A1 | T-82 | T-C3 | T-D4 | T-F6 | T-G7 | T-H8 | T-19 | T-L12 | T-M13 | LR-1 | |

TABLE 1: APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS

KEY TO MATRIX

- 1) The regulations have applicable requirements which apply to this particular emission source. _;
- -2) The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to source will have to comply at a future date. તં
- The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, fugitives) but do not apply to this particular emission source. ત્નું

Blank - The regulations clearly do not apply to this type of emission source.

. TABLE 2: STATE AND FEDERAL AIR QUALITY REQUIREMENTS

| EMISSION POINT NO / IDENTIFIER | APPLICABLE REQUIREMENT | COMPLIANCE METHOD/ PROVISION | NOTES |
|-----------------------------------|--|---|-------|
| 7711 | Volatile Organic Compounds Loading. (LAC 33.1112107) | Exempt – Crude Oil Loading Facility. | |
| Flant wide | Housekeeping (LAC 33:III.2113) | Develop and maintain a good housekeeping plan to reduce organic compound emissions. | |
| T-A1, T-H8, and T-19 | Storage of Volatile Organic Compounds. (LAC 33:111.2103.C) – Internal Floating Roof | Closure seals are present to close the space between the roof edge and tank wall. All tank gauging and sampling devices are gas tight. | |
| T-A1, T-H8, and T-19 | Petroleum Storage Vessels Constructed Between June 11, 1973 and May 19, 1978. (40 CFR 60.112.a.1) | (1) If the true vapor pressure of the petroleum liquid, as stored, is equal to or greater than 78 mm Hg (1.5 psia) but not greater than 570 mm Hg (11.1 psia), the storage vessel shall be equipped with a floating roof, a vapor recovery system, or their equivalents. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Storage of Volatile Organic Compounds. (LAC 33:111.2103.C) - Internal Floating Roof | Closure seals are present to close the space between the roof edge and tank wall. All tank gauging and sampling devices are gas tight. | |
| T-B2, T-C3, T-D4, T-F6, and T-C7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.1.i) | The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the fiquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. | |

TABLE 2: STATE AND FEDERAL AIR QUALITY REQUIREMENTS

| EMISSION POINT NO / IDENTIFIER | APPLICABLE REQUIREMENT | COMPLIANCE METHOD/ PROVISION | NOTES |
|-------------------------------------|---|--|-------|
| | | Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | remoteum storage vessets Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.1.ii) | (B) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapormounted, but both must be continuous. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.l.iii) | Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.1.iv) | Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.1.v) | Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. | |

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TABLE 2: STATE AND FEDERAL AIR QUALITY REQUIREMENTS

| EMISSION POINT NO / | APPLICABLE REQUIREMENT | COMPLIANCE METHOD/ PROVISION | NOTES |
|----------------------------------|---|---|-------|
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.l.vi) | Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.1.vii) | Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.l.viii) | Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.112b.a.l.ix) | Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.113b.a.1) | Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel. | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.113b.a.3.i and ii) | (i) Visually inspect the vessel as specified in paragraph (a)(4) of this section at least every 5 years; or (ii) Visually inspect the vessel as specified in | |
| | | paragraph (a,k,z.) of this section. | |

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TABLE 2: STATE AND FEDERAL AIR QUALITY REQUIREMENTS

| EMISSION POINT NO / IDENTIFIER | APPLICABLE REQUIREMENT. | COMPLIANCE METHOD/ PROVISION | NOTES |
|-------------------------------------|--|---|-------|
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.113b.a.5) | Notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs (a)(1) and (a)(4) of this section to an observer present. If the inspection required by paragraph (a)(4) of this section is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the Administrator at least 7 days prior to the refilling of the storage vessel. Notification by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Administrator at least 7 days prior to the refilling. | |
| T-L12 | Storage of Volatile Organic Compounds. (LAC 33:111.2103.C) – Internal Floating Roof | Closure seals are present to close the space between the roof edge and tank wall. All tank gauging and sampling devices are gas tight. | |
| T-L12 | Petroleum Storage Vessels. (40 CFR 60) | Exempt - Tank constructed before June 11, 1973. | |
| T-M13 | Storage of Volatile Organic Compounds. (LAC 33:111.2103.C) – Internal Floating Roof | Closure seals are present to close the space between the roof edge and tank wall. All tank gauging and sampling devices are gas tight. | |
| T-M13 | Petroleum Storage Vessels. (40 CFR 60) | Exempt - Tank constructed before June 11, 1973. | |

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Lisbon Processing, L.L.C. Lisbon, Louisiana Claiborne Parish

TABLE 3: COMPLIANCE MONITORING DEVICES, ACTIVITIES, OR METHODS

| EMISSION POINT NO / IDENTIFIER | APPLICABLE COMPLIANCE REQUIREMENT | MONITORING, REPORTING & RECORDKEEPING (MRR) METHOD/PROVISIONS | NOTES |
|-----------------------------------|---|--|-------|
| T-A1, T-H8, and T-19 | LAC 33.111.2103.1.3 | The date and reason for any maintenance and repair of the applicable control devices and the estimated quantity and duration of volatile organic compound emissions during such activities; | |
| | | (a) Except as provided in paragraph (d) of this section, the owner or operator subject to this subpart shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period. | |
| T-A1, T-H8, and T-19 | Petroleum Storage Vesseis Constructed Between June 11, 1973 and May 19, 1978. (40 CFR 60.113.a and b) | (b) Available data on the typical Reid vapor pressure and the maximum expected storage temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s). | |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | LAC 33.111.2103.1.3 | The date and reason for any maintenance and repair of the applicable control devices and the estimated quantity and duration of volatile organic compound emissions during such activities; | |

TABLE 3: COMPLIANCE MONITORING DEVICES, ACTIVITIES, OR METHODS

| T-B2, T-C3, T-D4, T-F6, and | Petroleum Storage Vessels Constructed After | Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of the control equipment meets the |
|----------------------------------|--|---|
| 1-67 | (40 CFR 60.115b.a.1) | soc. 1120(a)(1) and soc. 130(a)(1). This report shall be an attachment to the notification required by §60.7(a)(3). |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.115b.a.2) | Keep a record of each inspection performed as required by §60.113b (a)(1), (a)(2), (a)(3), and (a)(4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). |
| T-B2, T-C3, T-D4, T-F6, and T-G7 | Petroleum Storage Vessels Constructed After July 23, 1984 with an internal floating roof. (40 CFR 60.115b.a.4) | After each inspection required by §60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in §60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of §61.112b(a)(1) or §60.113b(a)(3) and list each repair made. |
| T-L12 | LAC 33.111.2103.1.3 | The date and reason for any maintenance and repair of the applicable control devices and the estimated quantity and duration of volatile organic compound emissions during such activities; |

Lisbon Processing, L.L.C. Lisbon, Louisiana Claiborne Parish

TABLE 3: COMPLIANCE MONITORING DEVICES, ACTIVITIES, OR METHODS

| The date and reason for any maintenance and repair of the applicable control devices and the estimated quantity and duration of volatile organic compound emissions during such activities; | Exempt - Crude oil loading facility. |
|---|--------------------------------------|
| LAC 33.111.2103.1.3 | LAC 33.111.2107 |
| T-M13 | LR-1 |

Lisbon Processing, L.L.C. Lisbon, Louisiana Claiborne Parish

TABLE 4: COMPLIANCE TESTING REQUIREMENTS

| NOTES | | | | | | | | | | | | | | | |
|--------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--|--|--|
| CRITERIA BEING TESTED | | | | | | | | | | | | | | | |
| APPLICABLE COMPLIANCE TEST METHOD | No methods listed. | | | | |
| EMISSION POINT NO / IDENTIFIER | T-A1 | T-B2 | T-C3 | T-D4 | T-F6 | T-G7 | Т-Н8 | T-19 | T-L12 | T-M13 | LR-1 | | | | |

Lisbon Processing, L.L.C. Lisbon, Louisiana Claiborne Parish

TABLE 5: EQUIPMENT LIST

| EMISSION | DESCRIPTION | NOTES |
|------------|--|------------------------------------|
| POINT NO / | | |
| T-A1 | Crude Oil Storage Tank (Cap = 10,000 BBLs, Const. 1977). | Internal Floating Roof. |
| T-B2 | Crude Oil Storage Tank (Cap = 20,000 BBLs, Const. 1989). | Internal Floating Roof. |
| T-C3 | Crude Oil Storage Tank (Cap = 20,000 BBLs, Const. 1986). | Internal Floating Roof. |
| T-D4 | Crude Oil Storage Tank (Cap = 5,000 BBLs, Const. 1987). | Internal Floating Roof. |
| T-F6 | Crude Oil Storage Tank (Cap = 5,000 BBLs, Const. 1987). | Internal Floating Roof. |
| T-G7 | Crude Oil Storage Tank (Cap = 10,000 BBLs, Const. 1986.) | Internal Floating Roof. |
| T-H8 | Crude Oil Storage Tank (Cap = 10,000 BBLs, Const. 1973). | Internal Floating Roof. |
| T-19 | Crude Oil Storage Tank (Cap = 10,000 BBLs, Const. 1973). | Internal Floating Roof. |
| T-L12 | Crude Oil Storage Tank (Cap = 10,000 BBLs, Const. 1948). | Internal Floating Roof. |
| T-M13 | Crude Oil Storage Tank (Cap = 10,000 BBLs, Const. 1948). | Internal Floating Roof. |
| LR-1 | Crude Oil Loading Rack. | Exempt Crude Oil Loading Facility. |
| | | |
| | | |
| | | |
| | | |

12 CERTIFICATION OF COMPLIANCE WITH APPLICABLE REQUIREMENTS

Statement for Applicable Requirements for Which the Source Is In Compliance

Based on information and belief, formed after reasonable inquiry, the company and facility referenced in this application is in compliance with and will continue to comply with all applicable requirements pertaining to the sources covered by the permit application, as outlined in Tables 1 and 2 in the permit application.

For requirements promulgated as of the date of this certification with compliance dates effective during the permit term, I further certify that the company and facility referenced in this application will comply with such requirements on a timely basis and will continue to comply with such requirements.

CERTIFICATION: I certify, under provisions in Louisiana and United States law which provide criminal penalties for false statements, that based on information and belief formed after reasonable inquiry, the statements and information contained in this Application for Approval of Emissions of Air Pollutants, including all attachments thereto and the compliance statement above, are true, accurate, and complete.

CERTIFICATION: I certify that the engineering calculations, drawings, design are true and accurate to the best of my knowledge.

Professional Engineer

13 PERSONNEL

| James H. Ballengee Nathan C. Redwine Title Title Manager Professional Engineer | Responsible Official | <u>b.</u> | Professional En | gineer | | |
|--|--|------------------|-----------------------------|---------------|-----|-----|
| Title Manager Company Lisbon Processing, L.L.C. Suite, mail drop, or division Street or P.O. Box City Business phone City Business phone City City Business phone City City City City City City City Cit | Name | Na | me | | | ļ |
| Manager Company Lisbon Processing, L.L.C. Suite, mail drop, or division Street or P.O. Box City Business phone (318) 687-3771 Signature of responsible official(s) (See 40 CFR 70.2) Date D | James H. Ballengee | . Na | than C. Redwine | | | |
| Company Lisbon Processing, L.L.C. Suite, mail drop, or division Street or P.O. Box City Date Date Date Company ALTEC Environmental Consultants, Inc. Suite, mail drop, or division Street or P.O. Box 2920 Truly Lane City Share Zip Shreveport Business phone (318) 687-3771 Signature of responsible official(s) (See 40 CFR 70.2) Date Title | Tit | le | | | |
| Lisbon Processing, L.L.C. Suite, mail drop, or division Street or P.O. Box Street or P.O. Box 2920 Truly Lane City Share A Zin Shreveport Business phone (318) 687-3771 Signature of responsible official(c) (See 40 CFR 70.2) Date Date Date LA 71118 June 6, 2007 Louisiana Registration No. 4165 | Manager | Pro | ofessional Engineer | | | |
| Suite, mail drop, or division Street or P.O. Box 2920 Truly Lane City State City Shreveport Business phone (318) 687-3771 Signature of responsible official(s) (See 40 CFR 70.2) Date Date June 6, 2007 Louisiana Registration No. 4165 | Company | Co | mpany | | | |
| Street or P.O. Box 2920 Truly Lane City MW CDOT Shate Zip Shreveport LA 71118 Business phone (318) 687-3771 Signature of responsible official(s) (See 40 CFR 70.2) Date Date June 6, 2007 Louisiana Registration No. 4165 | Lisbon Processing, L.L.C. | AL | TEC Environmental Cons | ultants, Inc. | | |
| 2920 Truly Lane City WW GOT State Zip Shreveport Business phone (318) 687-3771 Signature of responsible official(s) (See 40 CFR 70.2) Date Date June 6, 2007 Louisiana Registration No. 4165 | Suite, mail drop, or division | Su | ite, mail drop, or division | | | |
| City WW GOT State Zin City Shreveport LA 71118 Business phone (318) 687-3771 Signature of responsible official(s) (See 40 CFR 70.2) Date Date June 6, 2007 Louisiana Registration No. 4165 | Street or P.O. Box | Str | eet or P.O. Box | | | |
| Business phone (318) 687-3771 Signature of responsible official(s) (See 40 CFR 70.2) Date Date June 6, 2007 Usuisiana Registration No. 4165 | 400 SDUING SH. | 29 | 20 Truly Lane | | | |
| Business phone (318) 687-3771 Signature of responsible official(s) (See 40 CFR 70.2) Date Date June 6, 2007 Usuisiana Registration No. 4165 | City NYW GOVA JAMA Zin | Ci Sh | • | | 1 | 1 - |
| Date Date Le 7 D Date June 6, 2007 Unisiana Registration No. 4165 | Business phone . 429.027 | Bu | • | <u> </u> | | |
| Date Date Le 7 D Date June 6, 2007 Unisiana Registration No. 4165 | - | | <u> </u> |) | A | |
| June 6, 2007 Louisiana Registration No. 4165 | Signature of responsible official(s) (See 40 CFR 70.2) | | gnatuse of Professional Eng | dwne | 1.5 | , |
| 4165 | Duto 6.7.07 | _ | | | | |
| Date | | | | | | |
| | Date | $\supset \Gamma$ | | | | |
| | | | | • | | |

Section 4.0

Emission Inventory Questionnaire

Department of Environmental Quality
Permits Division
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313
(225) 219-3181

LOUISIANA

| | Emission Inve | | | stQ) |
|--|---|--|--|---|
| | for | Air Pollutan | its | |
| | Company Name: Lisbon Processing, L.L.C | 2. | ○ Owner | For Permits Division Use Only |
| Please Type or Print | | | | |
| | Parent Company (if Company Name given | above is a division) | | |
| | Plant name (if any) | | | |
| | Nearest town | Parish where located | | |
| | Lisbon | Claiborne | | |
| | Agency Interest Number | CDS Number | | |
| | 2108 | | | |
| | Q X a. ONLY presently existing FIALITY If you are requesting confidentiality or confidentiality request) | existing emissions ex modification describ | a permit, variance, o expected to be still exi- ted in application because | r exemption AND presently isting after facility or comes operational |
| lates of week no lays per year far eak production laily operating supproximate nu | TIONAL ACTIVITIES ormally NOT operating:Mon Tue cility typically operates: 365 season (list months): Not seasonal schedule: X 24-hours OR specify number of temployees at this location: 3 ies that, as a whole, operate intermittently: N. | | _Sat _Sun | |
| ownership: X corporation state gover | n, partnership, or sole proprietorship rument federal governme | _ regulated ut | tilitym fy | nunicipal government |
| ndustrial catego | oryIndicate Standard Industrial Classification | (SIC) Code(s) that apply to fa | icility: | |
| Volatile organi emptied, and thinternal floatin barriers are use using the TAN | peration with emphasis on air pollution source compound (VOC) emissions are generate loading of crude oil into tanker trucks. It is groofs have rubber vapor barriers that stayed to significantly reduce VOC and TAP en KS 4.0 Program and the AP-42 standards from the ten (10) storage tanks and loading | ed from the storage of crude The ten (10) large storage ta ys in contact with the tank w missions from the tanks. Th for petroleum loading. As c | e oil, working losse inks present on the valls as the tanks are the total tons of VOC can be seen from the | site all have internal floating roofs. T e filled and emptied. These vapor Os emitted from the tanks were calcula |

5 SUMMARY OF EMISSIONS FOR ENTIRE PLANT AS A WHOLE

Rates given should correspond in most cases to the sum of the individual average allowable rates of the point sources listed on the Single Point Source/Area Source forms.

| Pollutant Type | Emission Rate | Emission Rate tons/yr |
|--|---------------|--------------------------|
| a.Particulate (solids or liquids) | | |
| a. at ticulate (solids of inquids) | | |
| b.Sulfur Dioxides | | |
| | | |
| c. Nitrogen Oxides | | |
| | | |
| d. Carbon Monoxide | | ` |
| e. Volatile Organic Compounds | | |
| Crude Oil Loading Rack – operates 4 / 7 / 52 | 112.31 | 81.76 |
| Storage Tanks – operates 24 / 7 / 52 | 1.84 | 8.019 |
| f. Toxic compounds regulated under LAC 33:III.Chapter 51 | | |
| Crude Oil Loading Rack – operates 4/7/52 | 4.27 | 3,107 |
| Storage Tanks - operates 24 / 7 / 52 | 0.07 | 0.319 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| g. Facility Methane / Ethane | | |
| g. racing rechainer chaine | | · |
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| | | |

Department of Environmental Quality
Permits Division
P. O. Box 4313
Baton Rouge, Louislana 70821-4313
Eston Rouge, 219-3181
Emissi

LOUISIANA

SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants



| | | | | | | | | | | | ! | | _ | Date of submitted | mittel |
|--|----------------|----------------------------------|------------------------------|--|---------------------|---|--|---|--|----------------------------------|-------------------------------------|-----------------------------------|--|---------------------|---|
| Company Name | | | | | PIAT O | Plant location and name (it any) | ame (it any) | | | | | - | | | |
| Lisbon Processing, L.L.C. | 19, L.L. | ij | | | Lisbo | Lisbon, Louisiana | iana | | | | | | 6/5 | 6/5/07 | |
| Source ID number | | Descr | riptive name | Descriptive name of the equipment served by this stack or vent | served by thi | s stack or ve | | Approximate area sources) | s location o | f stack or | vent (see | instruction | s on how to | detarmin | Approximate location of stack or vent (see instructions on how to determine location of area sources) |
| . T-A1 | ٠ | Tank A1 | | | | | Ċ | UTM zone no. | . e | 5 5 5 | Horizor ertical co | ntal coorc oordinate | | | E Z |
| Stack and Discharge Physical Characteristics | 8,5 | Height of Stack above grade (ft) | | Diameter (ft) or stack discharge area (ft²) N/A | | Stack gas exit temperature (*F) N/A | Stack | Stack gas flow at process littons, not at standard (ft) N/A | Stack gas flow at process conditions, not at standard (ft²min) N/A | | Stack gas exit velocity (fisec) N/A | | Date of construction/modification 1977 | | Operating rate (Max) or tank capacity 10,000 BBLs |
| Total Paris | Type o | f fuel used an | d heat in | Type of fuel used and heat input (see Instructions) | ictions) | | | Percent | Percent of annual throughput of | throughp | ut of | Normal | Normal operating time | time | Normal |
| • | | Type of fuel | <u> </u> | Heat Input (MM BTU/hr) | Т | Operating | | ollutants (| pollutants through this emission point | is emissik | ILIOO UC | 5 | or unis point | | Rate |
| Fuel | e | N/A | | A/N | Т | Characteristics | ــــــــــــــــــــــــــــــــــــــ | Dec-Feb A | Mar-May . | Jun-Aug | Sep-Nov | hm/day | dayshwk | whyt | |
| | a. | | | | | | | 55 | 55 | 52 | 22 | * | ^ | ß | N/A |
| • | | | | | | | | | | | | | | | |
| Air Pollutant Specific Informa | Itan | t Speci | fic Ir | Iformat | ition | | • | | | | | | | | |
| Pollutant | in. | | Control Equipment Code | Control Equipment Efficiency | | ច | Emission Rate | 6 | | Emission Estimation Method | | Add, Change, or Delete Code | <u></u> | oncentra exiting | Concentration in gases exiting at stack |
| | • | | | | Average (lbs/hr) | | Maximum (lbs/hr) | | Annual (tons/yr) | T | | | | | |
| | | | | | | | | | | | | | | | ar/std ft² |
| Peruculate matter trimms | | | | | | - | | _ | | | | | | | ppm by vol |
| Sultur dioxide | | | | | | - | | _ | | | | | | | ppm by vol |
| Nitrogen dioxide | | | | | | | | | | | | | | | ppm by vol |
| Carbon monoxide | A postall a | land. | | | 0.17 | | 0.26 | o | 0.758 | 6 | | 4 | N/A | | ppm by vol |
| I OTAL VOC (INCREMING UNDER INCREMING) | Description of | 1 | | | 0.0007 | | 0.001 | 0 | 0.003 | 3 | | ¥ | ΝΆ | | ppm by vol |
| nexang (41) | | | | | 0,00 | | 0.0045 | - | 0.00 | | - | 4 | N/A | | pow yd maa |

form_7031_r05 06/21/04

Ethyl benzene

Xylene H2S

Benzene Totuene

ppm by vol ppm by vol

ppm by vol

ppm by vol

ppm by vol

§ § § § §

< < < <

0.003

0.0015

0.0010 0.0017 0.0024 0.0017

0.0036

0.001

6/5/07

Department of Environmental Quality
Permits Division
P. O. Box 4413
Baton Rouge, Louisiana 70821-4313
(225) 219-3181

LOUISIANA

SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants

Plant location and name (if any)

Lisbon, Louisiana

Lisbon Processing, L.L.C.

Company Name



| | j | | | | | | | | | | | | | 7 |
|--|------------|---|------------------------------|--|---------------------|------------------|---------------------|---|----------------------|-------------------------|-----------------------------------|---|----------------------|--|
| Source 10 number | | Descriptiv | e name of | Descriptive name of the equipment served by this stack or vent | eved by this | stack or vent | Appro | Approximate location of stack or vent (see instructions on how to determine location of | of stack or | vent (see | instructions | on how to | determin | location of |
| | | | | | | | area s | area sources) | × 15 | Horizo | X 15 Horizontal coordinate 517779 | linate 517 | | Ш |
| T-B2 | | Tank B2 | | | | | <u>.</u> |] | . 3] 12] | ertical c | 16 Vertical coordinate 3628509 | 3628509 | Nm | Z |
| Stack and Discharge | | Height of Stack | \vdash | Dlameter (ft) or stack | 1 | \vdash | Stack gas | Stack gas flow at process | _ | Stack gas exit velocity | | Date of Date of Construction/modification | fication | Operating rate (Max) |
| Physical Characteristics | | above grade (ft) N/A | | discharge area (ff') N/A □ □ ft □ ft² | temperature (T) | | anoms, <u>real</u> | congrams, Rot at standard (1, 7, 11, 11) N/A | | N/A | | 1989 | | or tank capacity 20,000 BBLs |
| Changeyes_no | Type of fi | Trace of fine issed and heat input (see instructions) | eat inpu | nt (see Instruc | tions) | | 4 | Percent of annual throughput of | al throughp | ut of | Normal | Normal operating time | ime | Normal |
| <u> </u> | 2 | 10.00 | Ĭ | Hoot land (MM BTU/hr) | 11,94 | Operating | Piod Disposition | pollutants through this emission point | his emisslo | n point | ō | or this point | , | Rate |
| الم | 1 | ight of the | - | *** | Т | Characteristics | CS Dec-Feb | Feb Mar-May | Jun-Aug | Sep-Nov | hraidey | days/w/k | whyr | |
| 5 5 5 | æ | N/A | - | 4/2 | | | | _ | | | 7 | | 2 | ΑN |
| 1 | Δ | | | | | | 52 | 72 72 | 8 | q | \$ | • | 3 | |
| 1 | v | | | | | | | | | | | | | - |
| Air Pollutant Specific Information | tant | Specifi | c In | formati | on | | | | | | | | | |
| Pollutant | Ħ | 0 B | Control Equipment Code | Control Equipment Efficiency | | Emission Rate | on Rate | | Estimation Method | | Add, Change, or Delete Code | ŏ | oncentral exiting | Concentration in gases exiting at stack |
| | | | | | Average (lbs/hr) | Maximum (lbs/hr) | | Annual (tons/yr) | | 1 | | | | |
| | | | | | | | | | | | | | | aristd ft |
| Particulate matter (PMss) | | | | | | | | | | | | | | ppm by vol |
| Sulfur dioxide | | | | | | | | | | | | | | ppm by vol |
| Nhrogen dloxide | | | | | | | | | | | | | | ppm by vol |
| Carbon monoxide | | | | | 0.208 | 0.312 | 2 | 0.908 | 3 | | ď | N/A | | ppm by vol |
| Total VOC (including mose usuad perow) | Hand Dent | | | | 0.000 | 0.0012 | 2 | 0.004 | 8 | | ¥ | NIA | | ppm by vol |
| Hexane (-n) | | | | | 0.0012 | 0.0018 | 80 | 0.005 | 6 | | ٨ | N/A | | ppm by vol |
| Benzene | | | | | 0.007 | 0.0032 | 22 | 0.00 | <u>ب</u> | | ٧ | N/A | | ppm by vol |
| Totuene | | | | | 0,000 | 0 0012 | 2 | 0.00 | 6 | | ∢ | N/A | | ppm by vol |
| Ethyl benzene | | | | | 200 | 0.000 | 1 5 | 0.013 | 6 | _ | ∢ | N/A | | ppm by vol |
| Xylene | | | | | 0.0023 | ×.×. | 1 | 20.2 | | - | | 4/2 | | Pos Marco |

Xylene HZS

ppm by vol

ş

0.0032

0.0021

Emission Inventory Questionnaire (EIQ) Department of Environmental Quality Permits Division P. O. Box 4313 Baton Rouge, Louislana 70821-4313 (225) 219-3181

SINGLE POINT/AREA/VOLUME SOURCE **LOUISIANA**

for Air Pollutants



20,000 BBLs Operating rate (Max) or tank capacity Normal Operating Rate Approximate location of stack or vent (see instructions on how to determine location of area sources) ¥ Ħ Date of submitta Z Data of construction/modification X 15 Horizontal coordinate 517772 ķ 22 6/5/07 Normal operating time of this point 16 Vertical coordinate 3628465 1986 dayavek ^ hravday 7 Stack gas exit velocity (ft/sec) ۲ Percent of annual throughput of pollutants through this emission point Jun-Aug Sep-Nov ន 22 Stack gas flow at process conditions, not at standard (ft/min) Mar-May UTM zone no. ង Dec-Feb 52 Plant location and name (if any) Characteristics Operating Lisbon, Louisiana Descriptive name of the equipment served by this stack or vent Stack gas exit temperature (*F) Heat Input (MM BTU/hr) Type of fuel used and heat input (see Instructions) ۲ Height of Stack above grade (ft) Type of fuel Tank C3 ۲ Lisbon Processing, L.L.C. u a ۵ Characteristics [Change ∐yes⊟no] Stack and Discharge Source ID number T-C3 Physical Company Name Fuel

| ormation | |
|---------------------------------|--|
| Air Pollutant Specific Informat | |
| Air P | |

| Pollutant Control Control Control Equipment Equipment Equipment Code Efficiency Particulate matter (PM _{n0}) | Control | | Emission Rate | | Emission | Add. Change, | Concentration in gases |
|--|---------|---------------------|-----------------------------------|------------------|----------------------|-------------------|------------------------|
| Particulate matter (PM ₁₀) | | | | | Estimation Method | or Delete Code | exiting at stack |
| Particulate matter (PM.n) | | Average (lbs/hr) | Maximum (Ibs/hr) Annual (tons/yr) | Annual (tons/yr) | | | |
| Particulate matter (Pm.in) | | | | | | | aristd ft |
| | | | | | | | ppm by vol |
| Sulfur dioxide | | | | | | | loy vd maa |
| Ntragen diaxide | | | | | | | |
| Control of the second of the s | | | | | | | ion to midd |
| | | 0.219 | 0.328 | 0.956 | 3 | ∢ | N/A ppm by vol |
| Total VOC (including those listed below) | | 9000 | 0.0014 | 0.00 | 3 | 4 | N/A ppm by vol |
| Hexane (-n) | | 2000 | 0.0000 | 0.006 | 3 | 4 | N/A ppm.by vol |
| Вепzеле | | 2000 | 0.0033 | 0 010 | 6 | ∢ | N/A ppm by vol |
| Toluene | | 0.0022 | 2500.0 | 500 | 7 | ٩ | loy yd mgg |
| Elly/ berzene | | 0.0003 | *100.0 | 5.5 | | | |
| ere X | | 0.0031 | 0.0047 | 0.013 | 3 | ∢ | N/A ppm by vol |
| | | | | | | | |

SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants **LOUISIANA** Plant location and name (if any) Department of Environmental Quality
Permits Division
P. O. Box 4313
Baton Rouge, Louislana 70821-4313
(225) 219-3181 Company Name



| Source ID number T-D4 Stack and Discharge Physical | | | Lisbon | Lisbon, Louisiana | | | | | 6/5 | 6/5/07 | o nothern of |
|--|--|---|---------------------------------|-------------------|---|----------------------|--|-----------------------------------|---|---------------------|---|
| | | *************************************** | | | | VIET | | | | deformir | to nothing of |
| | Describave n | Descriptive name of the equipment | nt served by this stack or vent | | Approximate location of stack or vent (see instructions on how to determine location of | on of stack (| or vent (see | instruction | s on how to | | e focation of |
| | Tank D4 | | | | UTM zone no. | | Horizo Vertical c | intal coor | 15 Horizontal coordinate 517760 16 Vertical coordinate 3628446 | 7760 m | E Z |
| Characteristics [Change ves not | Height of Stack above grade (ft) N/A | Diameter (ft) or stack . discharge area (ft') N/A | Stac | | Stack gas flow at process conditions, not at standard (ft²/min) N/A | | Stack gas exit velocity (ft/sec) N/A | | Date of construction/modification | lification | Operating rate (Max) or tank capacity 5,000 BBLs |
| Type of fuel c | ised and heat | Type of fuel used and heat input (see Instructions) | ructions) | | Percent of annual throughput of | rual through | put of | Norma | Normal operating time | time | Normal |
| | Type of fuel | Heat Input (MM | _ | Operating | politicants uncoddi uns eillission politic | | מווסת ווסוו | • | and sing | | Rate |
| Fuel | Ø/Z | A/N | | Characteristics | Dec-Feb Mar-May | y Jun-Aug | Sep-Nov | hra/day | dayavek | wkrys | |
| 1_ | | | | | 25 25 | 52 | 25 | 24 | ~ | 25 | W/A |
| o | | | | | | | | | | | |
| Air Pollutant Specific Informa | secific | Informa | tion | | | | | | | | |
| Pollutant | Control Equipment Code | roi Control nent Equipment le Efficiency | | Emission Rate | ite | Estimation Method | | Add, Change, or Delete Code | ŭ | oncentra exiting | Concentration in gases exiting at stack |
| | | | Average (lbs/hr) | Maximum (lbs/hr) | r) Annual (tons/yr) | (),() | | | | | |
| | - | | | | | | | | | | aristd ft |
| Particulate matter (PM.A.) | | | | | | | | | | | ppm by vol |
| Suitur dioxide | | | | | | - | | | | | ppm by vol |
| Nitrogett utokide | | | | | | | | | | | ppm by vol |
| Total VOC finctuding those (lated below) | | | 0.146 | 0.219 | 0.637 | 3 | | A | N/A | | ppm by vol |
| (17) 000007 | | | 0.0006 | 6000.0 | 0.003 | 3 | | 4 | ¥,¥ | | ppm by vol |
| Bonzone | | | 0.0009 | 0.0014 | 0.004 | 3 | | 4 | ΑN | | ppm by vol |
| Tollians | | | 0.0015 | 0.0023 | 0.006 | 3 | | 4 | Ϋ́ | | ppm by vol |
| Country of the Countr | | | 0.0006 | 0.0009 | 0.003 | 3 | | 4 | A/A | | ppm by vol |
| Video | | | 0.0020 | 0.003 | 600:0 | 3 | | 4 | N/A | | ppm by vol |
| Aylere | | | | | | | | | | | |

Department of Environmental Quality
Permits Division
P. O. Box 4313
Baton Rouge, Louislana 70821-4313
(225) 219-3181

LOUISIANA SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ)

for Air Pollutants



5,000 BBLs or tank capacity Normal Operating Rate Operating rate Approximate location of stack or verit (see instructions on how to determine location of (Max) ž E Date of submitte Z construction/modification P. 22 6/5/07 Normal operating time of this point 16 Vertical coordinate 3628446 1987 Cays/MK hra/day 7 Stack gas exit velocity (ft/sec) ۲X Percent of annual throughput of pollutants through this emission point Sep-Nov 55 Jun-Aug 35 Stack gas flow at process conditions, not at standard (ft³/min) Mar-May អ UTM zone no. area sources) Dec-Feb 23 Plant location and name (if any) Characteristics Operating Lisbon, Louisiana Descriptive name of the equipment served by this stack or vent Stack gas exit temperature (°F) Type of fuel used and heat input (see Instructions) Heat Input (MM BTU/hr) Diameter (ft) or stack discharge area (ft²) N/A **%** ٧ Height of Stack above grade (ft) Type of fuel Tank F6 ¥ Lisbon Processing, L.L.C. æ Ω Ų Characteristics [Change □yes□no] Stack and Discharge Physical Source 1D number **T-F6** Company Name Fuel

| Pollutant Control | | | | | | | | |
|--|------------------------------|------------------------------------|---------------------|-----------------------------------|------------------|----------------------------------|-----------------------------------|--|
| - | Control Equipment Code | Control Equipment Efficiency | | Emission Rate | | Emission Estimation Method | Add, Change, or Delete Code | Concentration in gases exiting at stack |
| | | 1 | Average (lbs/hr) | Maximum (Ibs/hr) Annual (tons/yr) | Annual (tons/yr) | | | |
| | | | | | | | | ar/std ftै |
| Particulate matter (PM _{th}) | | | | | | | | lov yd mqq |
| Suffur dioxide | | | | | | | | lov vd mon |
| Nitrogen dioxide | | | | | | | | |
| Carbon monoxide | _ | | | | | | | oa ka wada |
| Township the little below) | | | 0.146 | 0.219 | 0,637 | 3 | ď | N/A ppm by vol |
| ווייים אוריים ווייים וויים ווייים וויים וויים ווייים וויים ווייים ווייים ווייים ווייים ווייים ווייים ווייים ווייים וויים וויי | | | 0.0006 | 0.0009 | 0.003 | 3 | K | N/A ppm by vol |
| Hexane (-1) | | | 6000 0 | 0.0014 | 0.004 | က | Ą | N/A ppm by vol |
| Senzane | | | 0.0015 | 0.0023 | 0.006 | ဧ | 4 | N/A ppm by vol |
| louene | | | 0.0006 | 0.0009 | 0.003 | 3 | ٨ | N/A ppm by vol |
| Enylogizatio | | | 0.0020 | 0.003 | 600.0 | 3 | A | N/A ppm by vol |
| Ayene | | | | | | | | |
| | | | | | | | | |

Department of Environmental Quality
Permits Division
P. O. Box 4313
Baton Rouge, Louislana 70821-4313
(225) 219-3181

LOUISIANA

SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants



10,000 BBLs (Max) or tank capacity Operating rate Normal Operating Rate Approximate location of stack or vent (see instructions on how to determine location of area sources) Š E Date of submitta Date of construction/modification X 15 Horizontal coordinate 517770 ž Ž 8 6/5/07 Normal operating time of this point 16 Vertical coordinate 3628410 1986 days/wk ~ hrs/day 2 Stack gas exit velocity (ft/sec) ٤ pollutants through this emission point Sep-Nov Percent of annual throughput of Jun-Aug 25 Stack gas flow at process conditions, not at standard (ft¹/min) Mar-May UTM zone no. 52 Dec-Feb 55 Plant location and name (if any) Characteristics Operating Lisbon, Louisiana Descriptive name of the equipment served by this stack or vent Stack gas exit temperature (°F) Heat Input (MM BTU/hr) Type of fuel used and heat input (see instructions) Diameter (ft) or stack discharge area (ft²) N/A Ē ¥ Height of Stack above grade (ft) Type of fuel Tank G7 ۲ Lisbon Processing, L.L.C. æ ۵ Characteristics [Change □yes□no] Stack and Discharge Source ID number T-G7 Physical Company Name

| (| c | - | |
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| Pollutant | Control Equipment Code | Control Equipment Efficiency | • . | Emission Rate | | Emission Estimation Method | Add, Change, or Delete Code | Concentration in gases exiting at stack |
|--|------------------------------|------------------------------------|---------------------|------------------|------------------|----------------------------------|-----------------------------------|--|
| | | | Average (tbs/hr) | Maximum (lbs/hr) | Annual (tons/yr) | | | |
| | | | | | | | | - μ ptsμb |
| Particulate matter (PMn) | | | | | | | | lov yd mqq |
| Suitur dioxide | | | | | | | | lov yd mqq |
| Nitrogen dioxide | | | | | | | | lov yd mqq |
| Carbon monoxide | | | | | | | | |
| Total VOC (Including those listed below) | | | 0.164 | 0.246 | 0.718 | 7) | Ą | ion to midd |
| | | | 0,0007 | 0.0011 | 0.003 | 3 | ď | N/A ppm by vol |
| Devalue (+1) | | | 0.0010 | 0.0015 | 0.004 | 3 | 4 | N/A ppm by vol |
| Benzene | | | 0.0016 | 0.0024 | 0:007 | 3 | ۷ | N/A ppm by vol |
| Towner | - | | 0.0007 | 0.0011 | 0.003 | 3 | ∢ | N/A ppm by vol |
| Ethy benzene | - | | 0.0023 | 0.0035 | 0.010 | ю | ٧ | N/A ppm by vol |
| Ayene | | | | | | | | |

SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants **LOUISIANA** Plant location and name (if any) Department of Environmental Quality
Permits Division
P. O. Box 4313
Baton Rouge. Louislana 70821-4313
(226) 219-3181 Company Name



| Company Round | | | | | | | | | | | | |
|--|-----------|--------------------------------------|---|--|---|--|-----------------------|--|----------------------|--|-----------|---|
| Lisbon Processing, L.L.C. | ng, L.L. | ij | <u> </u> | Lisbon, Louisiana | | | • | | | 6/5/07 | 707 | |
| Source ID number | | Descriptive na | Descriptive name of the equipment served t | ant served by this stack or vent | Approximate area sources) | te location or | stack or | vent (see in | structions | s on how to | determin | Approximate location of stack or vent (see instructions on how to determine location of area sources) |
| T-H8 | | Tank H8 | | | UTM zone no. | لسبا | | Horizont | al coord ordinate | X 15 Horizontal coordinate 517825 16 Vertical coordinate 3628419 | .825 m | m E N |
| Stack and Discharge Physical Characteristics [Change] yes] no] | s S I o I | Height of Stack above grade (ft) N/A | Diameter (ft) or stack discharge area (ft) to N/A | Stack gas exit temperature (F) con N/A | Stack gas flow at process conditions, not at standard (R ⁷ /min) N/A | ff process indard (ft²/min | | Stack gas exit velocity (f/Jsec) N/A | | Date of construction/modification 1973 | ļ | Operating rate (Max) or tank capacity 10,000 BBLs |
| | Type o | fuel used and heat | Type of fuel used and heat input (see Instructions) | Operating | Percer | Percent of annual throughput of pollutants through this emission point | throughp s emissio | n point | Normal of | Normal operating time of this point | e | Normal Operating |
| Fuel | a | N/A | N/A | - Characteristics | Dec-Feb | Mar-May . | Jun-Aug Sep-Nov | yov-das | hrs/day | days/wk | wkJyr | 0,000 |
| | ۵ | | | | 52 | 52 | 25 | 25 | 74 | ~ | 25 | ¥ X |
| | ů | | | | | | | | | | | |

| formation | |
|-------------|--|
| Specific In | |
| ollutant S | |
| Air | |

| Pollutant | Control Equipment Code | Control Equipment Efficiency | | Emission Rate | | Entission Estimation Method | Add, Change, or Delete Code | Concentration in gases exiting at stack |
|--|------------------------------|------------------------------------|---------------------|------------------|------------------|-----------------------------------|-----------------------------------|--|
| | | | Average (lbs/hr) | Maximum (ibs/hr) | Annual (tons/yr) | | | |
| Destiniste metter (PM) | | | | | | | | arists ft |
| Suffir dioxide | | | | | | | | lov yd mqq |
| Nitrogen dioxide | | | | | | | | ррт бу уој |
| Carbon monoxide | | | | | | | | ppm by vol |
| Total VOC (including those listed below) | | | 0,164 | 0.246 | 0.718 | 3 | A | N/A. ppm by vol |
| Hexane (-1) | | | 0.0007 | 0.0011 | 0.003 | 33 | 4 | N/A ppm by vol |
| Benzene | | | 0.0010 | 0.0015 | 0.004 | 3 | 4 | N/A ppm by vol |
| Tolvene | | | 0.0016 | 0.0024 | 0.007 | 3 | A | N/A ppm by vol |
| Eth/ benzene | | | 0.0007 | 0.0011 | 0.003 | 3 | A | N/A ppm by vol |
| Xylene | | | 0.0023 | 0.0035 | 0.010 | £ | 4 | N/A ppm by vol |
| | | | | | | | | |

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6/5/07

Department of Environmental Quality P. O. Box 4313 Baton Rouge, Louisiana 70821-4313 (225) 219-3181 Permits Division

COUISIANA

SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants

Plant location and name (if any)

Company Name



10,000 BBLs or tank capacity Normal Operating Operating rate Approximate location of stack or vent (see instructions on how to determine location of area sources) Concentration in gases exiting at stack ppm by vol ppm by vol ppm by vol ppm by val ppm by vol Rate Ž ШШ Date of construction/modification FC PA 23 Normal operating time of this point 16 Vertical coordinate 3628399 1973 deyslwk ≸ ş **§** § ٤ Š Add, Change, or Delete Code hrs/day 77 Stack gas exit velocity ⋖ ⋖ ∢ ⋖ ∢ (fl/sec) ¥ pollutants through this emission point Sep-Nov Percent of annual throughput of Emission Estimation Method 25 Jun-Aug 26 Stack gas flow at process conditions, not at standard (ft²/min) Annual (tons/yr) Mar-May 25 0.003 0.003 UTM zone no. 0.004 0.007 0.010 Dec-Feb 23 Emission Rate Maximum (Ibs/hr) Characteristics 0.0015 0.0024 0.0035 0.246 0.0011 0.0011 Lisbon, Louisiana Operating Descriptive name of the equipment served by this stack or vent Stack gas exit temperature (°F) Average (Ibs/hr) 0.0016 0.0023 0.0007 0.164 0.0007 0.0010 Type of fuel used and heat input (see Instructions) Heat Input (MM BTU/hr) Air Pollutant Specific Information ۲ Control Equipment Control Equipment Code Height of Stack above grade (ft) Type of fuel Tank 19 Š Total VOC (including those listed below) Lisbon Processing, L.L.C. ø م Characteristics [Change □yes□no] **Pollutant** Stack and Discharge Particulate matter (PM:n) Source ID number Physical Ethyl benzene Carbon monoxide Nitrogen dloxide Hexane (-π) Suffur dloxide **Benzene** Toluene Xytene Fuel

Date of submitte 6/5/07 SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants **LOUISIANA** Plant location and name (if any) Department of Environmental Quality
Permits Division
P. O. Box 4313
Baton Rouge, Louisiana 70821 4313
(225) 219-3181 Company Name Lisb



| Lisbon Processing, L.L.C. | ng, L.L.(| ថ | | | Lishour, | Lisbon, Foundamen | | | | | - | | | |
|--|-------------|---|-----------------------------|---|--------------------------------|-------------------|--|---|----------------------------------|--------------------------------------|-----------------------------------|--|-----------------------|---|
| | , | | | | | | | | | | | | | |
| Source ID number | | Descriptive r | name of th | Descriptive name of the equipment se | served by this stack or vent | | Approximate area sources | Approximate location of stack or vent (see instructions on how to determine location of area sources) | stack or v | rent (see in: | structions | on how to | determine | location of |
| T-L12 | | Tank L12 | | | | | UTM zone no. | ġ | | | al coordi ardinate | inate 517 3628378 | Ε | E Z |
| Stack and Discharge Physical Characteristics | . a &r | Height of Stack above grade (ft) | Diamet discha N/A | Diameter (ft) or stack discharge area (ft') N/A | Stack gas exit temperature (F) | - | Stack gas flow at process litions, <u>not</u> at standard (ft ²) N/A | Stack gas flow at process conditions, not at standard (R/min) N/A | | Stack gas exit velocity (ft/sec) N/A | | Date of construction/modification 1948 | | Operating rate (Max) or tank capacity 10,000 BBLs |
| Change Lyes | Type of | Ino) Type of fuel used and heat input (see Instr | it input | (see Instruc | uctions) | | Percel | Percent of annual throughput of | hroughpu | it of point | Normal | Normal operating time of this point | ine | Normal |
| • | | Type of fuel | Hea | | BTU/hr) | Operating | political | an ugooun e | | \dashv | - 1 | | | Rate |
| Fuel | æ | N/A | - | A'N | 5 | Characteristics | Dec-Feb | ay S | <u> </u> | No N | hrs/day | daystown | je s | Š |
| | a | | | | | | 25 | 72 | 52 | | 5 | | 3 | Š |
| | ů | | - | | | | | | | | | | | |
| Air Poll | Itan | Air Pollutant Specific Informa | Infe | ormati | tion | | | | | | | . | | |
| Pollutant | ant | Control Equipment Code | Control Interpretation Code | Control Equipment Efficiency | | Emission Rate | ate | | Emission Estimation Method | | Add, Change, or Defete Code | ŏ | oncentrati exiting | Concentration in gases exiting at stack |
| | | | | <u> </u> | Average (lbs/hr) | Maximum (lbs/hr) | | Annual (tons/yr) | | | | | | |
| | | | + | | | | - | | | | | | | aristd ft |
| Particulate matter (PM+) | | | \dagger | | | | - | | | | | - 1 | | ppm by vol |
| Suffur dioxide | | | + | | | | | | | | | | | ppm by vol |
| Nitrogen dloxide | | | + | | | | - | | | _ | | | | ppm by vol |
| Carbon monoxide | | | + | | 900 0 | 0770 | - | 1 250 | 3 | | ∢ | Ϋ́Z | | ppm by vol |
| Total VOC (including those listed below) | se listed b | elow) | + | | 0.400 | 0.0017 | | 0.005 | 9 | | ∢ | N/A | | ppm by vol |
| Hexane (-1) | | - | + | | 2007 | 90000 | | 0.007 | ۳ | | 4 | N/A | | ppm by vol |
| Benzene | | | \dagger | - | 200.0 | 0 000 | | 0.012 | 6 | _ | < | N/A | | ppm by vol |
| Totuene | | | + | - | 0.0029 | 0.0017 | - | 0.005 | 3 | | < | N/A | | ppm by vol |
| Ethyl benzene | | | + | | 0.0011 | 0900 | | 0.017 | | | \ | N/A | | ppm by vol |
| Xylene | | | + | + | 0.0040 | 0.000 | - | | | - | | | | |

Department of Environmental Quality
Pennits Division
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313
(225) 219-3181

LOUISIANA SINGLE POINT/AREA/VOLUME SOURCE

Emission Inventory Questionnaire (EIQ) for Air Pollutants



| Company Name | | | | | 3 | | | | | | | | | | |
|--|--------------|--|------------------------------|--|------------------|-----------------------------------|----------------------------|---|------------|----------------------------------|--|--------------------|-------------------------------------|----------------------|---|
| Charles December | | | | | | • | : | | | | | | 5/5/07 | 70, | |
| LISTON PROCESSING, LIE.C. | 3, L.L.C. | | | | Lisbor | Lisbon, Louisiana | | | i | | | | 5 | , | |
| Source ID number | | Description | ve name of | Descriptive name of the equipment served by this stack or vent | served by this | stack or vent | Appr | Approximate location of stack or vent (see instructions on how to determine location of | don of sta | sck or vern | (see instru | ictions o | n how to c | determine | location of |
| T-M13 | | Tank M13 | | | | | 5 | UTM zone no. | | 15 Hc 3 Vertik | ✓ 15 Horizontal coordinate 51783716 Vertical coordinate 3628527 | coordin inate 3 | ate 517 628527 | Ε | E Z |
| Stack and Discharge Physical Characteristics | | Height of Stack above grade (ft) | | Dlameter (ft) or stack discharge area (ft²) N/A | <u> </u> | Stack gas exit temperature (°F) c | Stack ga conditions, IN | Stack gas flow at process conditions, not at standard (ff/min) N/A | ft/mln) | Stack gas (ft. | Stack gas exit velocity (ff/sec) N/A | construc | Date of construction/modification | | Operating rate (Max) or tank capacity 10,000 BBLs |
| [Changeyesno] | ype of fue | Type of fuel used and heat input (see Instri | neat inpu | ıt (see instru | uctions) | | | Percent of annual throughput of pollutants through this emission point | unual thro | oughput o | | ormal of of thi | Normal operating time of this point | eE. | Normal Operating |
| ٠ | - | Type of fuel | Ĭ | Heat Input (MM E | BTU/hr) | Operating | | | | | _ | ı | | | Rate |
| Fuel | | A/N | | A/N | | Characteristics | <u> </u> | Dec-Feb Mar-May | ay Jun-Aug | Aug Sep-Nov | <u>-</u> | | dsys/wk | wtchyr | |
| | م | | | | | | | 25 25 | ~ | 25 25 | 7 | 4 | <u>-</u> | 23 | ¥ Z |
| 1 | U | | - | | | | | | _ | _ | _ | | | | |
| Air Pollutant Specific Informa | tant S | Specifi | c In | format | tion | | | | - | | | - | | | |
| Pollutant | = | ğ | Control Equipment Code | Control Equipment Efficiency | | Eais | Emission Rate | | n n n | Emission Estimation Method | Add, Change, or Delete Code | ange, ete e | ပိ | oncentrat exiting | Concentration in gases exiting at stack |
| | | , | | 1 | Average (Ibs/hr) | | Maximum (lbs/hr) | Annual (tons/yr) | s/yr) | | | | | | |
| | | | | | | | | | | | | | | | aristd ft |
| Particulate matter (PM·n) | | + | | | | | | | | | | | | | ppm by vol |
| Sulfur dloxide | | | | | | | | | | | | | | | ppm by vol |
| Nitrogen dioxide | | - | | | | | | | _ | | | | | | ppm by vol |
| Carbon monoxide | | | | | 797.0 | | 0.246 | 0.718 | - | 3 | ٨ | _ | N/A | | ppm by vol |
| Total VOC (including those listed below) | listed below | + | | | 2000 | 5 6 | 0.0011 | 0.003 | - | 3 | ∢ | ٤ | N/A | | ppm by vol |
| Hexane (-1) | | | | | 9000 | 5 6 | 0.0015 | 000 | | 3 | ∢ | ٤ | N/A | | ppm by vol |
| Benzene | | | | | 0.0016 | 8 | 0.0024 | 0.007 | | 9 | A | 4 | N/A | | ppm by vol |
| Totoene | | | | | 0.0007 | . 0.0 | 0.0011 | 0.003 | | 3 | ∢ | | N/A | | ppm by vol |
| Ethyl benzene | | | | | 0.0023 | - | 0.0035 | 0.010 | | 3 | ∢ | - | N/A | | ppm by vol |
| Xyene | | | | | | _ | | | | | | | | | |

Department of Environmental Quality
Permits Division
P. O. Box 4313
Baton Rouge, Louisians 70821-4313
(225) 219-3181

LOUISIANA SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (ÈIQ) for Air Pollutants



| | | | | | | | | | | | , | 4 | |
|--|---|------------------------------|--|---------------------|--|-----------|---|---------------------------|-------------------------------------|-----------------------------------|--|---------------------|--|
| Company Name | | | | Plant loc | Plant location and name (If any) | any) | | | | | | · Date of submitted | muse |
| | • | | | 1 20 | encipies 1 | | | | | | 9/9 | 6/5/07 | |
| Lisbon Processing, L.L.C. | L.L.C. | | | - LISBOI | LISBOII, LOUISIANA | | | | | | | | |
| Source ID number | sac | criptive name | Descriptive name of the equipment served by this stack or vent | it served by this | stack or vent | Appro | Approximate location of stack or vent (see instructions on how to determine focation of area sources) | of stack o | r vent (see | instruction | is on how to | determin | e location of |
| LR-1 | Crude | Crude Oil Loading Rack | ng Rack | | |) E | UTM zone no. | | Horizo /ertical c | ntal coor coordinat | X 15 Horizontal coordinate 517794 16 Vertical coordinate 3628581 | Ε | E NE |
| Stack and Discharge Physical Characteristics [Change □yes□no] | Height of Stack above grade (ft) | | Diameter (ft) or stack discharge erea (ft) N/A | | Stack gas exit temperature (F) con N/A | Stack gas | Stack gas flow at process conditions, not at standard (ft/min) N/A | <u> </u> | Stack gas exit velocity (f/sec) N/A | | Data of construction/modification N/A | lification | Operating rate (Max) or tank capacity 24,528,000 gallons |
| Tyl | Type of fuel used and heat input (see Instructions) | nd heat in | put (see Instr | uctions) | Onerating | a a | Percent of annual throughput of pollutants through this emission point | al through this emissi | put of an point | Norma | Normal operating time of this point | time | Normal Operating |
| | Type of fuel | , nel | Heat Input (MN | M BTU/hr) | Characteristics | | | | 100 | 100 | Aprilation | 27 | Rate |
| ruei | N/A | | N/A | | | | Dec-Feb Mar-May | Jun-Aug | Sep-Nov | nrs/day | Cayana | i com | į |
| | | | | | | ~ | 25 25 | 52 | 25 | 4 | _ | 25 | A. |
| <u> </u> | | | | | | \dashv | | | | | | | |
| Air Pollutant Specific Information | ant Spec | ific lr | forma | tion | | | | · | | | | | |
| Pollutant | | Control Equipment Code | Control Equipment Efficiency | | Emission Rate | on Rate | | Estimation Method | | Add, Change, or Delete Code | | oncentra | Concentration in gases exiting at stack |
| | | <u></u> | | Average (lbs/hr) | Maximum (lbs/hr) | | Annual (tons/yr) | <u>~</u> | | | | | |
| A relative to the second of th | | | | | | | | | | | | | or/std ft² |
| Particulate matter trans | | | | | | - | | | | | | | ppm by vol |
| Sumur gloxide | | | - | | | - | | | | | | | ppm by vol |
| Nitrogen dloxide | | | | | | | | | _ | | | | ppm by voi |
| Carbon monoxide | boloud | | | 112.31 | 168.46 | 9 | 81.761 | 3 | _ | 4 | N/A | | ppm by vol |
| Otal Voca (membrang bases transfer | 1 | | | 0.4492 | 0.6738 | 2 | 0.327 | e | | Ą | N/A | | ppm by vol |
| Revaile (41) | | | | 0.6739 | 1.0109 | 60 | 0.491 | 3 | | 4 | N/A | | ppm by vol |
| Tokione | | | | 1,1231 | 1.6847 | - 21 | 0.818 | 3 | | ٧ | A/A | | ppm by vol |
| ONGER | | | | 2017 | 0.6730 | | 0.327 | ۲ | | ٥ | Α/N | | ppm by vol |

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Ethyl benzene

Xylene

ppm by vol ppm by vol

≨ §

1.145

0.6738

0.4492

| 5 | PERSONN | FI |
|---|---------|----|

a. Manager of Facility on location at plant site

| Name Paul Huff | | |
|-----------------------------------|-------------|--------------|
| Title Facility Manager | | |
| Company Lisbon Processing, L.L.C. | | |
| Suite, mail drop, or division | | |
| Street or P.O. Box 18647 Hwy 2 | | |
| City Lisbon | State LA | Zip 71048 |
| Business phone (318) 353-1310 | | |

b. Person to contact at site about air pollution control

| Name | |
|-------------------------------|--|
| Tide | |
| Company | |
| Suite, mail drop, or division | |
| Business phone | |

c. Headquarters of other off-site contact (see instructions)

| Name | | |
|-------------------------------|-------|---------------------------------------|
| Karen W. Courtman | | |
| Title | | |
| Project Manager | | |
| Company | | |
| Lisbon Processing, L.L.C. | | |
| Suite, mail drop, or division | | |
| Suite 205 | | • |
| Street or P.O. Box | | · · · · · · · · · · · · · · · · · · · |
| 800 Spring Street | | |
| City | State | Zip |
| Shreveport | LA | 71101 |
| Business phone | | |
| (318) 429-0271 | - | |
| L | | |

d. Person who prepared this report

| Name | | · |
|---|--|--------------|
| Jody Thiemann | | |
| Title | | |
| Engineer | | |
| Company | | |
| ALTEC Environmental Consultants, | Inc. | |
| | | |
| Suite, mail drop, or division | | |
| Suite, mail drop, or division | | |
| Suite, mail drop, or division Street or P.O. Box | ······································ | |
| | | |
| Street or P.O. Box | State | Zip |
| Street or P.O. Box 2920 Truly Lane | State LA | Zip 71118 |
| Street or P.O. Box 2920 Truly Lane City | | |

CERTIFICATION: I certify, under provisions in Louisiana and United States law which provide criminal penalties for false statements, that based on information and belief formed after reasonable inquiry, the statements and information contained in this Emission Inventory Questionnaire (EIQ) for Air Pollutants, including all attachments thereto, are true, accurate, and complete.

| Signature of re | esponsible official(s) (See 40 CFR 70.2) | |
|-----------------|--|---|
| 6 | MILL | |
| Date | 10.7.07 | |
| | | |
| Date | | - |

Figure 1

Site Location Maps



LDOTD LA BOUNDARY LDOTO PARISHES



March 29, 2007

LDEQ Disclaimen

cannot guarantee the accuracy of this map or data set, and does not accept any responsibility for the consequences of its based may have come from any of a variety of sources, which are of varying degrees of map accuracy. Therefore, LDEC goouracy in producing this map or data set. Nevertheless, the user should be aware that the information on which it is The Louisiana Department of Environmental Quality (LDEQ) has made every reasonable effort to ensure quality and use, Source: LDEO GIS Center Make-A-Map (http://map.ideq.otg)



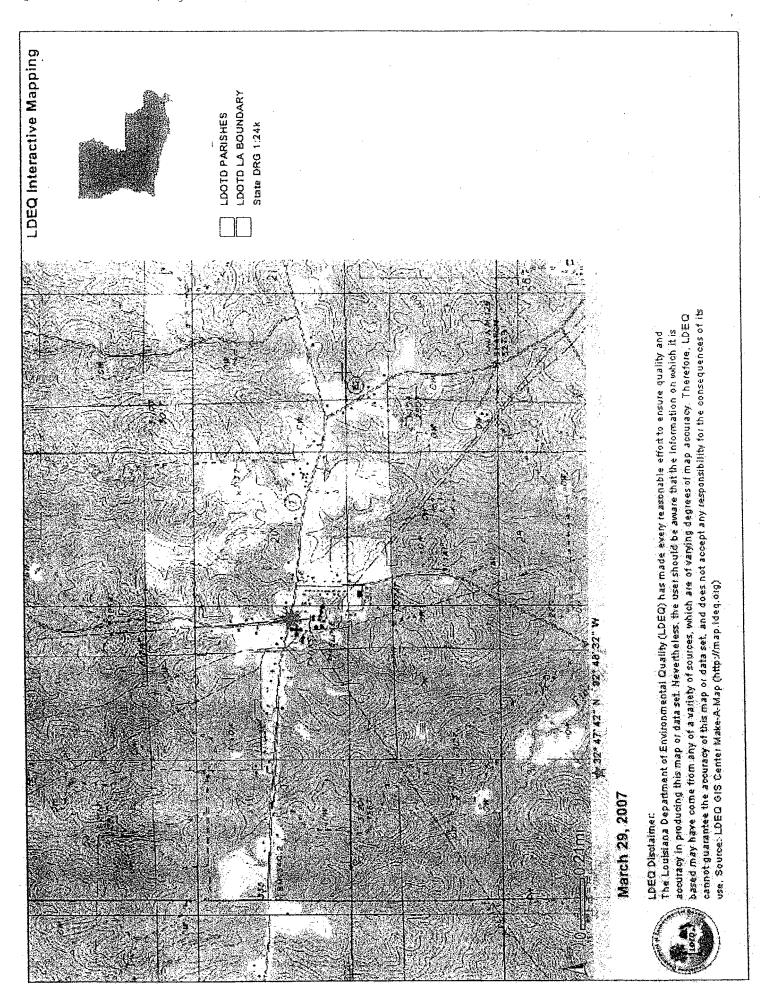


Figure 2

Plot Plan

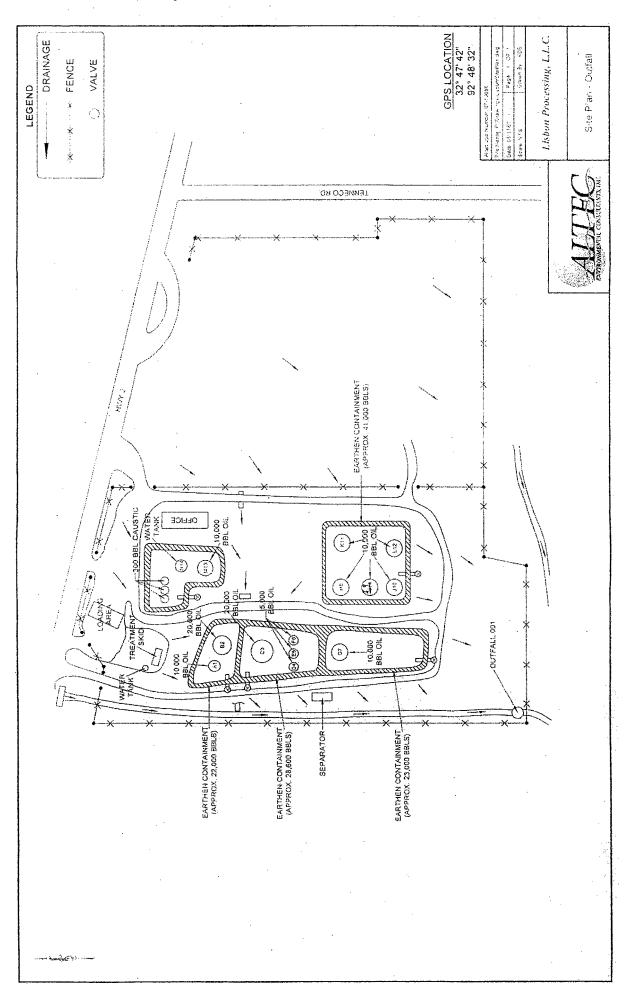


Exhibit 1

Calculations

Lisbon Processing, L.L.C. Lisbon, Louisiana Tank Emissions Calculations

| Loading and Offloading Calculations | | | | | | | |
|--|---|--------------|--------------|-----------|---------|----------|-------|
| Truck capacity | = | 200 | Barrels | = . | 8400 | Gallons | |
| 8 trucks/day | = | 1600 | Barrels | = | 67200 | Gallons | Total |
| 4 LSR trucks/day | = | . 800 | Barrels | = | 33600 | Gallons | |
| 4 Geismer trucks/day | = | 800 | Barrels | = | 33600 | Gallons | |
| · | | Tanks A1, B2 | , and C3 - G | eismer On | ly | | |
| Total gallons/yr | = | 12264000 | Gallons | = . | 6132000 | per tank | |
| Tank A1 | = | 10000 | Barrels | = | 420000 | Gallons | |
| Tank A1 turnovers/yr | = | 14.6 | | | | | |
| Tank B2 | = | 20000 | Barrels | = | 840000 | Gallons | |
| Tank B2 turnovers/yr | = | 7.30 | | | | | |
| Tank C3 | = | 20000 | Barrels | = | 840000 | Gallons | |
| Tank C3 turnovers/yr (Tanks A1 and B2 Flow to Tank C3) | = | 14.6 | | | | | |

| Tanks D4, F6, G7, H8, I9, L12, and M13 - Geismer and LSR (These Tanks Store LSR And Any Treated Geismer From Tank C3) | | | | | | | |
|---|-----|----------|---------|------------|---------|----------|---|
| Total gallons/yr | = | 24528000 | Gallons | = | 3504000 | per tank | |
| Tank D4 | . = | 5000 | Barrels | = | 210000 | Gallons | |
| Tank D4 turnovers/yr | = . | 16.69 | | | | | |
| Tank F6 | = · | 5000 | Barrels | a · | 210000 | Gallons | |
| Tank F6 turnovers/yr | = | 16.69 | | | | | |
| Tank G7 | = | 10000 | Barrels | = | 420000 | Gallons | |
| Tank G7 turnovers/yr | = | 8.34 | | | | | • |
| Tank H8 | = | 10000 | Barrels | = | 420000 | Gallons | |
| Tank H8 turnovers/yr | = | 8.34 | | | | | |

Lisbon Processing, L.L.C. Lisbon, Louisiana Tank Emissions Calculations

| Tanks | D4, F6, G | 7, H8, I9, L12 | , and M13 - G | eismer ar | nd LSR - Conti | nued | |
|-----------------------|-----------|----------------|---------------|-----------|----------------|---------|--|
| Tank 19 | = | 10000 | Barrels | = | 420000 | Gallons | |
| Tank 19 turnovers/yr | = | 8.34 | | | | | |
| Tank L12 | = | 10000 | Barrels | · = | 420000 | Gallons | |
| Tank L12 turnovers/yr | = | 8.34 | | | | | |
| Tank M13 | = | 10000 | Barrels | = | 420000 | Gallons | |
| Tank M13 turnovers/yr | = | 8.34 | | | | | |

Lisbon Processing, L.L.C. Lisbon, Louisiana Loading Emissions

Loading Equation

Loading Losses - AP-42: 5.2.2.1.1

Emissions formula from loading petroleum liquid:

 $L_L = 12.46((SPM)/T)$

L_L = Loading loss; lbs/1000 gallions of liquid loaded.

S = Saturation factor (See Table 5.2-1).

P = True vapor pressure of liquid loaded, psia.

M = Molecular weight of vapors, pounds/pound-mole (See Table 7.1-2)

| Loading Calculation | | | | | | | | | |
|---|-----|-------------|--------------|--------------|------------|---------------|-------------|---------------|---|
| S | = | 0.6 | Table 5.2-1 | - Submerge | d loading: | dedicated n | ormal servi | ice | |
| Р | = | 9.5 | High vapor | pressure = 1 | 3; Low va | apor pressure | e = 6, Avg. | = 9.5 | |
| M = 50 Table 7.1-2 - Crude oil | | | | | | | | | |
| T = 532.66 Avg. liquid surface temperature from TANKS program for Shreveport, La (72.66 °F) | | | | | | | | | |
| L | = | 12.46 ((0. | 6 * 9.5 * 50 |) / 532.66) | | = | 6.667 | lbs/1000 gals | : |
| Tanker tri | uck | = | 8400 | gallons | | | | | |
| Pounds emitted per truck loaded = 56.001 pounds | | | | | | | | | |
| 8 trucks loaded per day (365 days per year) = 163521.535 pounds per year | | | | | | | | | |
| | | • | • | <i>:</i> | = | 81.761 | tons per | year | |

Lisbon Processing, L.L.C. Lisbon, Louisiana TAP Emissions

| | | | Total TAP | Speciation | | | | |
|--|---------------------------------|--------------------------------|-----------------------------------|--------------------|--------------------------|------------------------|-------------|----------------------------|
| AP speciation was us | sed from th | ne speciation | numbers ç | given by the T | ANKS pr | ogram | | |
| lexane (-n) | 0.4% | x | 89.779 | = | 0.359 | tons | | |
| Benzene | 0.6% | x | 89.779 | = | 0.539 | tons | | |
| Foluene | 1.0% | x | 89.779 | = . | 0.898 | tons | | |
| Ethylbenzene | 0.4% | x | 89.779 | = . | 0.359 | tons | | |
| Xylene | 1.4% | x | 89.779 | = | 1,257 | tons | | |
| | | • | Total | = | 3.412 | tons | | |
| Total tons of VOCs | = | 8.019 (tanks) | + | 81.76 (loading) | = | 89.779 | tons | |
| Hydrogen Sulfide spe Only found in Tanks A H2S | ciation wa A1 and B2 1.0% | s used from a - remaining = | viewing mu Tanks hold 0.017 | low sulfur cru | sheets for ude oil or | crude oil have been | processed w | // caustic |
| Total tons of VOCs (Tanks A1 and B2) | = | 0.758 (Tank A1) | + | 0.908 (Tank B2) | = | 1.665 | tons | |
| Total TAPs | = | 3.428 | tons | | | | | |
| | | T | AP Specia | tion for Tank | A1 | | | |
| Total tons of VOCs | = | 0.758 | | | | | | lb/hr |
| Hexane (-n) | 0.4% | x | 0.758 | = . | 0.003 | tons | = | IOMII |
| | | | | | | | | 0.0007 |
| Benzene | 0.6% | . X | 0.758 | = | 0.005 | tons | = | 0.0007 |
| Benzene Toluene | 0.6% 1.0% | . x | 0.758 0.758 | = | 0.005 0.008 | tons tons | = | 0.0010 |
| | | • | | | | tons | | |
| Toluene | 1.0% | x | 0.758 | = . | 0.008 | tons | = | 0.0010 0.0017 0.0007 |
| Toluene Ethylbenzene | 1.0% 0.4% | x x | 0.758 0.758 | = = | 0.008 | tons tons | = = | 0.0010 0.0017 |

Lisbon Processing, L.L.C. Lisbon, Louisiana TAP Emissions

| | | T. | AP Speciation | n for Tank | B2 | | | |
|--------------------|------|------------|---------------|------------|-------|---------------------------------------|-----|-----------------|
| Total tons of VOCs | = | 0.908 | | | • | | | |
| Hexane (-n) | 0.4% | x | 0.908 | = | 0.004 | tons | = | lb/hr 0.0008 |
| Benzene | 0.6% | x | 0.908 | = | 0.005 | tons | = | 0.0012 |
| Toluene | 1.0% | x | 0.908 | = | 0.009 | tons | = | 0.0021 |
| Ethylbenzene | 0.4% | x | 0.908 | = | 0.004 | tons | = | 0.0008 |
| Xylene | 1.4% | x | 0.908 | = | 0.013 | tons | = | 0.0029 |
| H2S | 1.0% | x | 0.908 | = | 0.009 | tons | = | 0.0021 |
| | | | Total | = . | 0.044 | | | |
| | | T. | AP Speciatio | n for Tank | (C3 | · · · · · · · · · · · · · · · · · · · | | |
| Total tons of VOCs | = | 0.956 | | | | | | |
| Hexane (-n) | 0.4% | × | 0.956 | = | 0.004 | tons | = . | lb/hr 0.0009 |
| Benzene | 0.6% | × | 0.956 | = | 0.006 | tons | = | 0.0013 |
| Toluene | 1.0% | x | 0.956 | = | 0.010 | tons | = | 0.0022 |
| Ethylbenzene | 0.4% | x | 0.956 | = | 0.004 | tons | = ' | 0.0009 |
| Xylene | 1.4% | x | 0.956 | . = | 0.013 | tons | = | 0.0031 |
| | | | Total | = | 0.036 | | | |
| | | Ţ | AP Speciatio | n for Tanl | k D4 | | | |
| Total tons of VOCs | = | 0.637 | | | | | | |
| Hexane (-n) | 0.4% | x | 0.637 | = | 0.003 | tons | = | lb/hr 0.0006 |
| Benzene | 0.6% | x . | 0.637 | = | 0.004 | tons | = | 0.0009 |
| Toluene | 1.0% | × | 0.637 | = | 0.006 | tons | = | 0.0015 |
| Ethylbenzene | 0.4% | x | 0.637 | = | 0.003 | tons | = | 0.0006 |
| Xylene | 1.4% | x | 0.637 | = | 0.009 | tons | = | 0.0020 |
| | | | Total | = | 0.024 | | | - |

Lisbon Processing, L.L.C. Lisbon, Louisiana TAP Emissions

| | | TA | AP Speciation | for Tank | F6 | | | |
|--------------------|------|------------|---------------|------------|-------|------|------------|-----------------|
| Total tons of VOCs | = | 0.637 | | | | | | |
| Hexane (-n) | 0.4% | × | 0.637 | = | 0.003 | tons | = | ib/hr 0.0006 |
| Benzene | 0.6% | x | 0.637 | = | 0.004 | tons | = | 0.0009 |
| Toluene | 1.0% | x | 0.637 | = | 0.006 | tons | = | 0.0015 |
| Ethylbenzene | 0.4% | x | 0.637 | = . | 0.003 | tons | = | 0.0006 |
| Xylene | 1.4% | . X | 0.637 | = | 0.009 | tons | = | 0.0020 |
| | | | Total | = | 0.024 | | | |
| | | T/ | AP Speciation | n for Tanl | k G7 | | | |
| Total tons of VOCs | = | 0.718 | | | | | | |
| Hexane (-n) | 0.4% | x | 0.718 | = | 0.003 | tons | = | lb/hr 0.0007 |
| Benzene | 0.6% | x | 0.718 | = | 0.004 | tons | = | 0.0010 |
| Toluene | 1.0% | x | 0.718 | = | 0.007 | tons | = | 0.0016 |
| Ethylbenzene | 0.4% | x | 0.718 | = | 0.003 | tons | = | 0.0007 |
| Xylene | 1.4% | x | 0.718 | = | 0.010 | tons | · = | 0.0023 |
| | | | Total | = | 0.027 | | | |
| | | T | AP Speciation | n for Tan | k H8 | | | |
| Total tons of VOCs | = | 0.718 | | • | | | | |
| Hexane (-n) | 0.4% | X | 0.718 | = | 0.003 | tons | ₩. | lb/hr 0.0007 |
| Benzene * 1. | 0.6% | x | 0.718 | = | 0.004 | tons | · = | 0.0010 |
| Toluene | 1.0% | × | 0.718 | = | 0.007 | tons | . = | 0.0016 |
| Ethylbenzene | 0.4% | x | 0.718 | = | 0.003 | tons | = | 0.0007 |
| Xylene | 1.4% | x | 0.718 | = | 0.010 | tons | = | 0.0023 |
| | | | Total | = | 0.027 | | • | |
| L., | | | <u></u> | | | | | |

Lisbon Processing, L.L.C. Lisbon, Louisiana TAP Emissions

| | | T, | AP Speciatio | n for Tan | < 19 | | | |
|--------------------|------|--------------|---------------|-----------|-------|------|----------|-----------------|
| Total tons of VOCs | = | 0.718 | | | | | | |
| -lexane (-n) | 0.4% | x | 0.718 | = | 0.003 | tons | = | lb/hr 0.0007 |
| Benzene | 0.6% | x | 0.718 | = | 0.004 | tons | = | 0.0010 |
| Toluene | 1.0% | X | 0.718 | = | 0.007 | tons | = | 0.0016 |
| Ethylbenzene | 0.4% | x | 0.718 | = | 0.003 | tons | = | 0.0007 |
| Xylene | 1.4% | x . | 0.718 | = | 0.010 | tons | = | 0.0023 |
| | | | Total | = | 0.027 | | | |
| | | TA | P Speciation | for Tank | L12 | | | |
| Total tons of VOCs | = | 1.250 | | | | | | |
| Hexane (-n) | 0.4% | x | 1.250 | = | 0.005 | tons | = | lb/hr 0.0011 |
| Benzene | 0.6% | x | 1.250 | = | 0.007 | tons | = | 0.0017 |
| Toluene | 1.0% | x | 1.250 | = . | 0.012 | tons | = | 0.0029 |
| Ethylbenzene | 0.4% | x | 1.250 | = | 0.005 | tons | . = | 0.0011 |
| Xylene | 1.4% | x | 1.250 | = | 0.017 | tons | = | 0.0040 |
| | | | Total | = | 0.047 | | | |
| | | TA | AP Speciation | for Tank | M13 | , | | ···· |
| Total tons of VOCs | = | 0.718 | | | | | | |
| Hexane (-n) | 0.4% | × | 0.718 | = | 0.003 | tons | = | lb/hr 0.0007 |
| Benzene | 0.6% | · x · | 0.718 | • = | 0.004 | tons | = | 0.0010 |
| Toluene | 1.0% | x | 0.718 | = | 0.007 | tons | = | 0.0016 |
| Ethylbenzene | 0.4% | x | 0.718 | = | 0.003 | tons | = | 0.0007 |
| Xylene | 1.4% | × | 0.718 | = | 0.010 | tons | = | 0.0023 |
| | | | Total | = | 0.027 | - | | |

Lisbon Processing, L.L.C. Lisbon, Louisiana TAP Emissions

| | | T | AP Speciati | on for Loa | ding | | | |
|--------------------|------|--------------|-------------|------------|-------|------|-----|--------|
| Total tons of VOCs | = | 81.761 | | | | | | lb/hr |
| Hexane (-n) | 0.4% | X • . | 81.761 | = | 0.327 | tons | = | 0.4492 |
| Benzene | 0.6% | x | 81.761 | = | 0.491 | tons | = | 0.6739 |
| Toluene | 1.0% | x | 81.761 | = . | 0.818 | tons | . = | 1.1231 |
| Ethylbenzene | 0.4% | x | 81.761 | . = | 0.327 | tons | = | 0.4492 |
| Xylene | 1.4% | x | 81.761 | = | 1.145 | tons | = | 1.5723 |
| | | | Total | = | 3.107 | | | |

TANKS 4.0 Emissions Report - Summary Format Total Emissions Summaries - All Tanks in Report

| Tonk Identification | | | | (sql) sesson |
|--------------------------------|---------------------------|-----------------------------|-----------------------|--------------|
| lishoo (8) - Tank A1 | Lisbon Processing L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,515.96 |
| lishon (8) - Tank B2 | Lisbon Processing L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,815.02 |
| Lishon (8) - Tank C3 | Lisbon Processing L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,912.77 |
| Lishon (8) - Tank D4 | Lisbon Processing, L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,274.69 |
| Lishon (8) - Tank F6 | Lisbon Processing, L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,274.69 |
| Lishon (8) - Tank G7 | Lisbon Processing, L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,436.22 |
| Lishon (8) - Tank H8 | Lisbon Processing, L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,436.22 |
| Lishon (8) - Tank 19 | Lisbon Processing, L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,436.22 |
| ishon (8) - Tank 12 | Lisbon Processing, L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 2,499.68 |
| Lisbon (8) - Tank M13 | Lisbon Processing, L.L.C. | Internal Floating Roof Tank | Shreveport, Louisiana | 1,436.22 |
| Total Emissions for all Tanks. | | | | 16,037.69 |
| | | | | |

TANKS 4.0 Emissions Report - Summary Format Tank Identification and Physical Characteristics

| Lisbon (8) - Tank A1 Shreveport Louisiana Lisbon Processing, L.L.C. Internal Floating Roof Tank | 45.00 420,000.00 14.60 Y· 0.00 | Light Rust Gray/Light Good Gray/Light Good | Vapor-mounted Rim-mounted | Typical Welded |
|---|--|--|---|--|
| Identification User Identification: City: State: Company: Type of Tank: Description: | Tank Dimensions Diameter (ft): Volume (gallons): Tumovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics internal Shall Condition: Shell Color/Shade: Shell Condition: Roof Color/Shade: Roof Condition: | Rim-Seal System Primary Seal: Secondary Seal: | Deck Characteristics Deck Fitting Category: Deck Type: |

Deck Fitting/Status
Access Hatch (24-in. Diam.)/Unboited Cover, Ungasketed
Automatic Gauge Float Well/Unboited Cover, Ungasketed
Roof Leg or Hanger Well/Adjustable
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.

Quantity

Meteorological Data used in Emissions Calculations: Shreveport, Louisiana (Avg Atmospheric Pressure = 14.62 psia)

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TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

| Mol. Basis for Vapor Pressure Weighty Celculations | 207.00 Option 4: RVP=10.3 |
|---|---|
| Vapor Mass | ; ; |
| Liquid Mass | |
| Vapor Mot. | \$0.000 |
| 3 | ¥ ¥ |
| Japor Pressures (pela) | N.A |
| Vapor P | 9.5026 |
| Liquid Bulk Temp. | (deg r) 67.41 |
| ÷ | M8X |
| Daily Liquid Surf. emperatures (deg F) | 63.18 |
| 180 Tempe | Avg. 72.68 |
| | Month |
| | Mixture/Component Crude Oil (RVP 10) |

TANKS 4.0 Emissions Report - Summary Format Individual Tank Emission Totals

Annual Emissions Report

| | | | Losses(lbs) | | • |
|---|---------------|---|-------------------|----------------|-----------------|
| Components | Rim Seal Loss | Withdrawal Loss | Deck Fitting Loss | Deck Seam Loss | Total Emissions |
| Orida Oil (BVP 10) | 508.25 | 130.34 | 877.37 | 0.00 | 1,515.96 |
| 20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1 | | *************************************** | | | |

TANKS 4.0 Emissions Report - Summary Format Tank Identification and Physical Characteristics

Lisbon (8) - Tank B2

Identification User Identification:

| | | . • | | |
|---|---|--|---|--|
| Shreveport Louisiana Lisbon Processing, L.L.C. Internal Floating Roof Tank 20,000 BBL Geismer | 60.00 840,000.00 7.30 Y 0.00 | Light Rust Gray/Light Good Gray/Light Good | Vapor-mounted Rim-mounted | Typical Welded |
| City: State: Company: Type of Tank: Description: | Tank Dimensions Diameter (ft): Volume (gallons): Turnovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics Internal Shell Condition: Shell Color/Shade: Shell Condition: Roof Color/Shade: Roof Condition: | Rim-Seal System Primary Seal: Secondary Seal: | Deck Characteristics Deck Fitting Category: Deck Type: |

Quantity Deck Fitting/Status
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed
Automatic Gauge Float Well/Unbolted Cover, Ungasketed
Roof Leg or Hanger Well/Adjustable
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.

Meteorological Data used in Emissions Calculations: Shreveport, Louisiana (Avg Atmospheric Pressure = 14.62 psia)

TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

| | | | | | phoi l | | | | | | | |
|--------------------|-------|--------|-------------------|-------|-------------|-----------|------------------------|------|---------|--------|--------|-------------------------------|
| | | Daliy | Llauld Surf. | | 9 3 3 | | | | Vapor | Liquid | Vapor | |
| | | Temper | peratures (deg F) | | Temp. | Vapor Pre | Vapor Pressures (psis) | | ¥oï | Mass | Mass | Mol. Basis for Vapor Pressure |
| Mixture/Component | Month | Avo | Min | Max | (deg F) | Avg. | Min. | Max. | Weight | Fract | Fract. | Weight Calculations |
| | | | | | | | | | | | | |
| Crude Oil (RVP 10) | Ā | 72.86 | 63.18 | 82,14 | 67.41 | 9.5026 | Y/Z | A/A | 50.0000 | | | 207,00 Option 4: RVP=10.3 |

TANKS 4.0 Emissions Report - Summary Format Individual Tank Emission Totals

| | | | Losses(lbs) | | |
|--------------------|---------------|-----------------|-------------------|----------------|-----------------|
| Components | Rim Seal Loss | Withdrawal Loss | Deck Fitting Loss | Deck Seam Loss | Total Emissions |
| Cride Oil (RVP 10) | 677.67 | 97.75 | 1,039.60 | 00.0 | 1,815.02 |
| | | | | | |

TANKS 4.0 Emissions Report - Summary Format Tank Identification and Physical Characteristics

Identification

| Lisbon (8) - Tank C3 Shreveport Louisiana Lisbon Processing, L.L.C. Internal Floating Roof Tank 20,000 BBL Treated Geismer | 60.00 840,000.00 14.60 Y 0.00 | Light Rust Gray/Light Good Gray/Light Good | Vapor-mounted Rim-mounted | Typical Welded |
|---|---|--|---|--|
| User Identification: City: State: Company: Type of Tank: Description: | Tank Dimensions Diameter (ft): Volume (gallons): Turnovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics Internal Shell Condition: Shell Color/Shade: Shell Condition: Roof Color/Shade: Roof Condition: | Rim-Seal System Primary Seal: Secondary Seal: | Deck Characteristics Deck Fitting Category: Deck Type: |

Deck Fitting/Status
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed
Automatic Gauge Float Well/Unbolted Cover, Ungasketed
Roof Leg or Hanger Well/Adjustable
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.

Quantity

Meteorological Data used in Emissions Calculations: Shreveport, Louisiana (Avg Atmospheric Pressure = 14.62 psia)

TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

| | | SSUFE | | | |
|-------|--------------------|--------------------------|-------------------|--------------------|---|
| | | Basis for Vapor Pressure | Catculations | Opțion 4: RVP=10.3 | |
| | | ¥o. | Weight | 207.00 | |
| | Vapor | Mass | Fract | | |
| | Liquid | Mass | Fract. | | |
| | Vapor | Mol | Weight | 50.0000 | |
| | | | Max. | N/A | |
| | | /apor Pressures (psis) | Min | NVA | |
| | | Vapor P | Avg. | 9.5028 | |
| S. C. | Bulk | Temp | (deg F) | 67.41 | ٠ |
| | | | Max. | B2.14 | |
| | Daily Liquid Surf. | ratures (deg F) | Σ. | 72.66 63,18 | |
| | Daily | Tempe | Avg | 72.68 | |
| | | | Month | . IIY | |
| | | | Mixture/Component | Crude Oil (RVP 10) | |

TANKS 4.0 Emissions Report - Summary Format Individual Tank Emission Totals

| | | | Losses(lbs) | | |
|--------------------|---------------|-----------------|-------------------|----------------|-----------------|
| Components | Rim Seal Loss | Withdrawal Loss | Deck Fitting Loss | Deck Seam Loss | Total Emissions |
| Crude Oil (RVP 10) | 677.67 | 195.50 | 1,039.60 | 00:00 | 1,912.77 |
| | | | | | |

TANKS 4.0 Emissions Report - Summary Format Tank Identification and Physical Characteristics

| Lisbon (8) - Tank D4 Shreveport Louisiana Lisbon Processing, L.L.C. Internal Floating Roof Tank 5,000 BBL LSR/Treated Geismer | 33.50 210,000.00 16.69 Y |
|--|--|
| Identification User Identification: City: State: Company: Type of Tank: Description: | Tank Dimensions Diameter (ft): Volume (gallons): Tumovers: Self Supp. Roof? (y/n): No. of Columns: |

| 33.50 210,000.00 16.69 Y 0.00 | Light Rust Gray/Light Good Gray/Light Good | Vapor-mounted Rim-mounted |
|--|--|---|
| Diameter (ft): Volume (gallons): Tumovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics Internal Shell Condition: Shell Color/Shade: Shell Condition: Roof Color/Shade: Roof Condition: | Rim-Seal System Primary Seal: Secondary Seal: |

| Typical Welded | |
|---|--|
| Deck Characteristics Deck Fiting Category: Deck Type: | |

Quantity

| | olted Cover, Ungasketed | olted Cover, Ungasketed | pie | .)/Siit Fabric Seal 10% Open | Feighted Mech. Actuation, Gask. |
|---------------------|--|---|------------------------------------|--|---|
| Deck Fitting/Status | Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed | Automatic Gauge Float Well/Unbolted Cover, Ungasketed | Roof Leg or Hanger Well/Adjustable | Sample Pipe or Well (24-in. Diam.)/Siit Fabric Seal 10% Open | Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask. |

Meteorological Data used in Emissions Calculations: Shreveport, Louisiana (Avg Atmospheric Pressure ≈ 14.62 psia)

Internal Floating Roof Tank Shraveport, Louisiana

TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

| Vapor Nase Moi: Basis for Vapor Pressure | Weight | 207.00 Option 4: RVP≈10.3 |
|---|--------------------------|---------------------------|
| Liquid | Frad. | |
| Vapor | Weight | \$0.000 |
| | Max. | ď Ž |
| | Richard Fressones (para) | ¥. |
| | Avg | 9.5026 |
| Liquid Bulk | (deg F) | 67.41 |
| | Max | 82.14 |
| Liquid Surf. | peratures (deg h Min. | 63.18 |
| Daily | Avg. | 72.66 |
| | Worlth | Afi |
| | Mirture/Component | Crude Oil (RVP 10) |

TANKS 4.0 Emissions Report - Summary Format Individual Tank Emission Totals

Annual Emissions Report

| | 1,274.69 | |
|-------------|----------------------------------|--|
| | Deck Seam Loss | |
| Losses(lbs) | Deck Fitting Loss 796.26 | |
| | Withdrawal Loss 100.07 | |
| | Rim Seal Loss 378.36 | |
| | Components Crude Oil (RVP 10) | |

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Tank Identification and Physical Characteristics **Emissions Report - Summary Format** TANKS 4.0

| Lisbon (8) - Tank F6 Shreveport Louisiana Lisbon Processing, L.L.C. Internal Floating Roof Tank 5,000 BBL LSR/Treated Geismer | 33.50 210,000.00 16.69 Y 0.00 0.00 | Light Rust Gray/Light Good Gray/Light Good | Vapor-mounted Rim-mounted | Typical Welded |
|--|---|--|---|--|
| Identification User identification: City: State: Company: Type of Tank: Description: | Tank Dimensions Diameter (ft): Volume (gallons): Turnovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics Internal Shell Condition: Shell Color/Shade: Shell Condition: Roof Color/Shade: Roof Condition: | Rim-Seal System Primary Seal: Secondary Seal: | Deck Characteristics Deck Fitting Category: Deck Type: |

Deck Fitting/Status
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed
Automatic Gauge Float Well/Unbolted Cover, Ungasketed
Roof Leg or Hanger Well/Adjustable
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.

Quantity

Meteorological Data used in Emissions Calculations: Shreveport, Louisiana (Avg Atmospheric Pressure = 14.62 psia)

Internal Floating Roof Tank Shreveport, Louislana

TANKS 4.0
Emissions Report - Summary Format
Liquid Contents of Storage Tank

| | | | | | Liquid | | | | | | | | |
|--------------------|-------|-------|---------------------|-------|---------|-----------|------------------------|-----|---------|--------|--------|----------|---------------------------|
| | | Daily | Daily Liquid Surf. | | ¥ | | | | Vapor | Liquid | Vapor | | |
| | | Tempe | Imperatures (deg F) | | Temp. | Vapor Pre | Vapor Pressures (psla) | | Mol. | Masa | Mass | | Basis for Vapor Pressure |
| Mixture/Component | Month | Avg. | Min | Max. | (deg F) | Avg. | Min. | Max | Weight | Fract. | Fract. | Weight | alculations |
| | | | | | | | | | | | | | |
| Chude Oil (RVP 10) | FF . | 72.66 | 63.18 | 82.14 | 67.41 | 9.5026 | N/A | ΑN | 90.0000 | | | 207.00 C | 207,00 Option 4; RVP=10.3 |

TANKS 4.0 Emissions Report - Summary Format Individual Tank Emission Totals

| 1 | Total Emissions | 1,274.69 |
|-------------|-------------------|--------------------|
| | Deck Seam Loss | 00.0 |
| Losses(lbs) | Deck Fitting Loss | 796.26 |
| | Withdrawal Loss | 100.07 |
| | Rim Seal Loss | 378.36 |
| | Components | Crude Oil (RVP 10) |

Emissions Report - Summary Format Tank Identification and Physical Characteristics TANKS 4.0

| Lisbon (8) - Tank G7 Shreveport | Louisiana Lisbon Processing, L.L.C. Internal Floating Roof Tank 10,000 BBL LSR/Treated Geismer | |
|---|---|--|
| Identification User Identification: City: | State: Company: Type of Tank: Description: | |

| 42.50 420,000.00 8.34 Y 0.00 0.00 | 1 2 3 3 |
|---|-----------------------|
| Tank Dimensions Diameter (ft): Volume (gallons): Turnovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics |

| 8.34 0.00 0.00 | lust ight ight | |
|---|--|-----------------|
| > | Light Rust Gray/Light Good Gray/Light Gray/Light | |
| Turnovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics Internal Shell Condition: Shell Color/Shade: Shell Condition: Roof Color/Shade: Roof Condition: | Rim-Seal System |

| Vapor-mounted | Typical |
|---|--|
| Rim-mounted | Welded |
| Rim-Seal System Primary Seal: Secondary Seal: | Deck Characteristics Deck Fitting Category: Deck Type: |

| Deck Fitting/Status |
|---|
| Access Hatch (24-in, Diam.)/Unbolted Cover, Ungasketed |
| Automatic Gauge Float Well/Unbolted Cover, Ungasketed |
| Roof Leg or Hanger Well/Adjustable |
| Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open |
| Vacuum Breaker (10-in, Diam.)/Weighted Mech. Actuation, Gask. |

Quantity

Meteorological Data used in Emissions Calculations: Shreveport, Louisiana (Avg Atmospheric Pressure = 14.62 psia)

TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

| Mol. Basis for Vapor Pressure Weight Calculations | 207.00 Option 4: RVP=10.3 |
|---|---------------------------|
| Vapor Mass Frect | |
| Liquid Mass Fract. | |
| Vapor Mol. Weight | 20.0000 |
| Max | A.A |
| Vepor Pressures (psia) Ng. Min. | Ϋ́ |
| Vapor Pr Avg. | 9.5026 |
| Liquid Bulk Temp. (deg.F) | 67.41 |
| Max. | 62.14 |
| Dally Liquid Surf. femperatures (deg F) g. Min. | 63.18 |
| Dally Tempe Avg. | 72.66 |
| Month | ₹ |
| Mixture/Component | Crude Oil (RVP 10) |

TANKS 4.0 Emissions Report - Summary Format Individual Tank Emission Totals

| | | | Losses(lbs) | | |
|---|---------------|-----------------|-------------------|----------------|-----------------|
| ponents | Rim Seal Loss | Withdrawal Loss | Deck Fitting Loss | Deck Seam Loss | Total Emissions |
| e Oii (RVP 10) | 480.01 | . 78.83 | 877.37 | 00.00 | 1,436.22 |
| , and the same of | | | | | |

Emissions Report - Summary Format Tank Identification and Physical Characteristics TANKS 4.0

| Lisbon (8) - Tank H8 | Shreveport | Louisiana | Lisbon Processing, L.L.C. | Internal Floating Roof Tank | 10,000 BBL LSR/Treated Geismer | • |
|----------------------|------------|-----------|---------------------------|-----------------------------|--------------------------------|---|
| User Identification: | Oity: | State: | Company: | Type of Tank: | Description: | |

Identification

| C3 C7 | 420,000.00 | 8.34 | > | 0.00 | 0.00 |
|-----------------|-------------------------------------|------------|-------------------------|-----------------|-----------------------|
| Tank Dimensions | Diameter (rt). Volume (galions): | Turnovers: | Self Supp. Roof? (y/n): | No. of Columns: | Eff. Col. Diam. (ft): |

| 8.34 Y | 0.00 | | Light Rust | Gray/Light | Good | Gray/Light | Good |
|--|--|-----------------------|---------------------------|--------------------|------------------|-------------------|-----------------|
| volume (gallons): Turnovers: Self Supp. Roof? (v/n): | No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics | Internal Shell Condition: | Shell Color/Shade: | Shell Condition: | Roof Color/Shade: | Roof Condition: |

| Light Rust | Gray/Light | Good | Gray/Light | Good | - |
|---------------------------|--------------------|------------------|-------------------|-----------------|---|
| Internal Shell Condition: | Shell Color/Shade: | Shell Condition: | Roof Color/Shade: | Roof Condition: | |

| Vapor-mounted | Typical |
|-----------------|------------------------|
| Rim-mounted | Welded |
| Rim-Seal System | Deck Characteristics |
| Primary Seal: | Deck Fitting Category: |
| Secondary Seal: | Deck Type: |

| Status | ccess Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed | Automatic Gauge Float Well/Unbolited Cover, Ungasketed | -fanger Well/Adjustable · | Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open | /acuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask. |
|---------------------|---|--|------------------------------------|--|---|
| Deck Fitting/Status | Access Hatch (24-in. Diam.)// | Automatic Gauge Float Well/ | Roof Leg or Hanger Well/Adjustable | Sample Pipe or Well (24-in. D | Vacuum Breaker (10-in. Diam |
| | | | | | |

Quantity

Meteorological Data used in Emissions Calculations: Shreveport, Louisiana (Avg Atmospheric Pressure = 14.62 psia)

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TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

| | | Weight Calculations | 207.00 Option 4: RVP=10.3 |
|--------|--|---------------------|---------------------------|
| | Vapor | Frac | ٠ |
| | Mass | Frad | |
| : | Vapor Mol. | Weight | 90.000 |
| | | Max. | A/A |
| | Vapor Pressures (psia) | Min. | VIA. |
| | Vapor | Avg. | 9.5026 |
| Liquid | Temp. | (deg F) | 67.41 |
| | | Max. | 82.14 |
| | Dally Liquid Surt, mperatures (ded F) | Min | 63.18 |
| | Dally | Avg. | 72.66 |
| | | Month | Į A |
| | | Mixture/Component | Crude Oil (RVP 10) |

TANKS 4.0
Emissions Report - Summary Format Individual Tank Emission Totals

| Losses(lbs) | Rim Seal Loss Withdrawal Loss Deck Fitting Loss Deck Seam Loss Total Emissions | 480.01 78.83 877.37 0.00 1,436.22 |
|-------------|--|-----------------------------------|
| | Components | Спde Oil (RVP 10) |

TANKS 4.0 Emissions Report - Summary Format Individual Tank Emission Totals

Annual Emissions Report

| | Total Emissions | 1,700.64 |
|-------------|-------------------|--------------------|
| | Deck Seam Loss | 00.0 |
| Losses(lbs) | Deck Fitting Loss | . 877.37 |
| | Withdrawal Loss | 78.83 |
| | Rim Seal Loss | 480.01 |
| | Components | Crude Oil (RVP 10) |

Tank Identification and Physical Characteristics **Emissions Report - Summary Format** TANKS 4.0

Identification

| Lisbon (8) - Tank L12 Shreveport Louisiana Lisbon Processing, L.L.C. Internal Floating Roof Tank 10,000 BBL LSR/Treated Geismer | 45.00 420,000.00 8.34 Y 0.00 0.00 | Light Rust Gray/Light Good Gray/Light Good | Vapor-mounted None | Typical Welded |
|--|---|---|---|--|
| idenuircation. User Identification: City: State: Company: Type of Tank: Description: | Tank Dimensions Diameter (ft): Volume (gallons): Turnovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | Paint Characteristics Internal Shell Condition: Shell Color/Shade: Shell Condition: Roof Color/Shade: Roof Condition: | Rim-Seal System Primary Seal: Secondary Seal: | Deck Characteristics Deck Fitting Category: Deck Type: |

Quantity Deck Fitting/Status
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed
Automatic Gauge Float Well/Unbolted Cover, Ungasketed
Roof Leg or Hanger Well/Adjustable
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seaf 10% Open
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation. Gask.

Meteorological Data used in Emissions Calculations; Shreveport, Louisiana (Avg Atmospheric Pressure = 14.62 psia)

TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

| Mixture/Component | Month | Daily Temper Avg | Daity Liquid Surf. mperatures (deg F) Min. | Мах | Liquid Bulk Temp. (deg F) | Vapor Pr Avg. | Vapor Pressures (psia) vg. Min. | Мвх | Vapor Mol. Weight | Liquid Mass Fred. | Vapor Mass Fract. | Mol. Basis for Vapor Pressure Weight Calculations |
|--------------------|-------|------------------------|--|-------|------------------------------------|------------------|------------------------------------|-----|-------------------------|-------------------------|-------------------------|--|
| Crude Oil (RVP 10) | ₹ | 72.68 | 63.18 | 82.14 | 67.41 | 9.5026 | N/A | ď. | 90,0000 | | | 207.00 Option 4; RVP=10.3 |

Internal Floating Roof Tank Shreveport, Louisiana

TANKS 4.0
Emissions Report - Summary Format Individual Tank Emission Totals

Annual Émissions Report

| | Total Emissions | 2,499.68 | |
|-------------|-------------------|--------------------|--|
| | Deck Seam Loss | 0.00 | |
| Losses(lbs) | Deck Fitting Loss | 877.37 | |
| | Withdrawal Loss | 74.45 | |
| | Rim Seal Loss | 1,547.85 | |
| | Componente | Crude Oil (RVP 10) | |

internal Floating Roof Tank Shreveport, Louisiana

TANKS 4.0 Emissions Report - Summary Format Tank Identification and Physical Characteristics

| Identification User Identification: City: State: Company: Type of Tank: Description: | Lisbon (8) - Tank M13 Shreveport Louisiana Lisbon Processing, L.L.C. Internal Floating Roof Tank 10,000 BBL LSR/Treated Geismer |
|---|--|
| Tank Dimensions Diameter (ft): Volume (gallons): Turnovers: Self Supp. Roof? (y/n): No. of Columns: Eff. Col. Diam. (ft): | 420,000.00 420,000.00 8.34 Y |
| Paint Characteristics Internal Shell Condition: Shell Color/Shade: Shell Condition: Roof Color/Shade: Roof Color/Shade: | Light Rust Gray/Light Good Gray/Light Good |
| Rim-Seal System Primary Seal: Secondary Seal: | Vapor-mounted Rim-mounted |
| Deck Characteristics Deck Fitting Category: Deck Type: | Typical Welded |

Meteorological Data used in Emissions Calculations: Shreveport, Louisiana (Avg Atmospheric Pressure = 14.62 psia)

Deck Fitting/Status
Access Hatch (24-in. Diam.)/Unboited Cover, Ungasketed
Automatic Gauge Float Well/Unbolted Cover, Ungasketed
Roof Leg or Hanger Well/Adjustable
Sample Pipe or Well (24-in. Diam.)/Silt Fabric Seal 10% Open
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actualion, Gask.

Quantity

Internal Floating Roof Tank Shreveport, Louislana

TANKS 4.0
Emissions Report - Summary Format
Liquid Contents of Storage Tank

| | | | | | Liquid | | | | | | ; | | |
|--------------------------|----------------|-------|---------------------|-------|---------|-----------|------------------------|------|---------|--------|-------|--------|---------------------------|
| | | Oally | Dally Liquid Sud, | | 출 | | | | Vapor | Lighig | Vapor | | |
| | | Тепре | emperaturas (dag F) | | Temp | Vapor Pre | Vapor Pressures (psia) | | Moi | Mass | Mass | ¥oľ. | Basis for Vapor Pressure |
| MisturalComposed | Mooth | Avd | N. | Max | (deg F) | Avg | Min. | Max. | Weight | Fract. | Fract | Weight | Weight Calculations |
| MINISTER COLLEGE WILLIAM | | | | | | | | | | | | | |
| Crude Oil (RVP 10) | \{\frac{1}{2}} | 72.66 | 63.18 | 82.14 | 67.41 | 9.5026 | N/A | ¥X | 20.0000 | | | 207.00 | 207.00 Option 4: RVP≈10.3 |

| | | Alaco | Called Fried Stud | | Liquid | | | | Vapor | Liquid | Vapor | - | |
|--|-------|-------|----------------------|-------|---------|-----------|------------------------|------|---------|--------|-------|--------|-------------------------|
| | | Tempe | Temperatures (deg F) | | Temp. | Vapor Pri | Vapor Pressures (psia) | | Moi | Mass | Mass | Wol | Basis for Vapor Pi |
| ture/Component | Month | Avg. | Min | Max | (deg F) | Avg | Min. | Max. | Weight | Fract. | Fract | Weight | Weight Calculations |
| 0 10 10 10 10 10 10 10 10 10 10 10 10 10 | | 77.66 | 63 18 | A2 14 | 67.41 | 9.5026 | Ą. | ¥⁄X | 20.0000 | | | 207.00 | 207.00 Option 4: RVP=10 |

Internal Floating Roof Tank Shreveport, Louisiana

TANKS 4.0 Emissions Report - Summary Format Individual Tank Emission Totals

Annual Emissions Report

| | ~~~ | | Losses(IDS) | | |
|--------------|---------------|-----------------|-------------------|----------------|-----------------|
| nents | Rim Seal Loss | Withdrawal Loss | Deck Fitting Loss | Deck Seam Loss | Total Emissions |
| Oil (RVP 10) | 480.01 | 78.83 | 877.37 | 00:00 | 1,436.22 |

Exhibit 2

Completeness Checklist

PERMIT APPLICATION COMPLETENESS CHECKLIST

Date: June 5, 2007

Facility: Lisbon Processing, L.L.C.

Facility ID Number: Initial Permit

Agency Interest No: 2108

Application Type:
(X) Initial Submission
() Minor Modification/Renewal*
() Significant Modification*

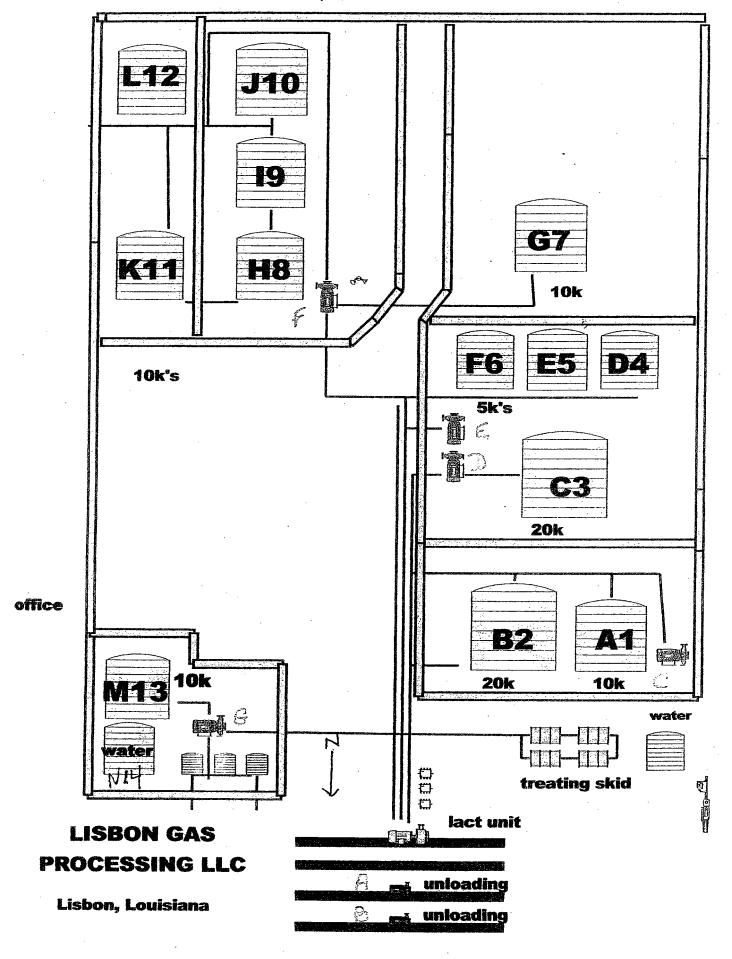
*Existing Air Permit Number: Initial Permit

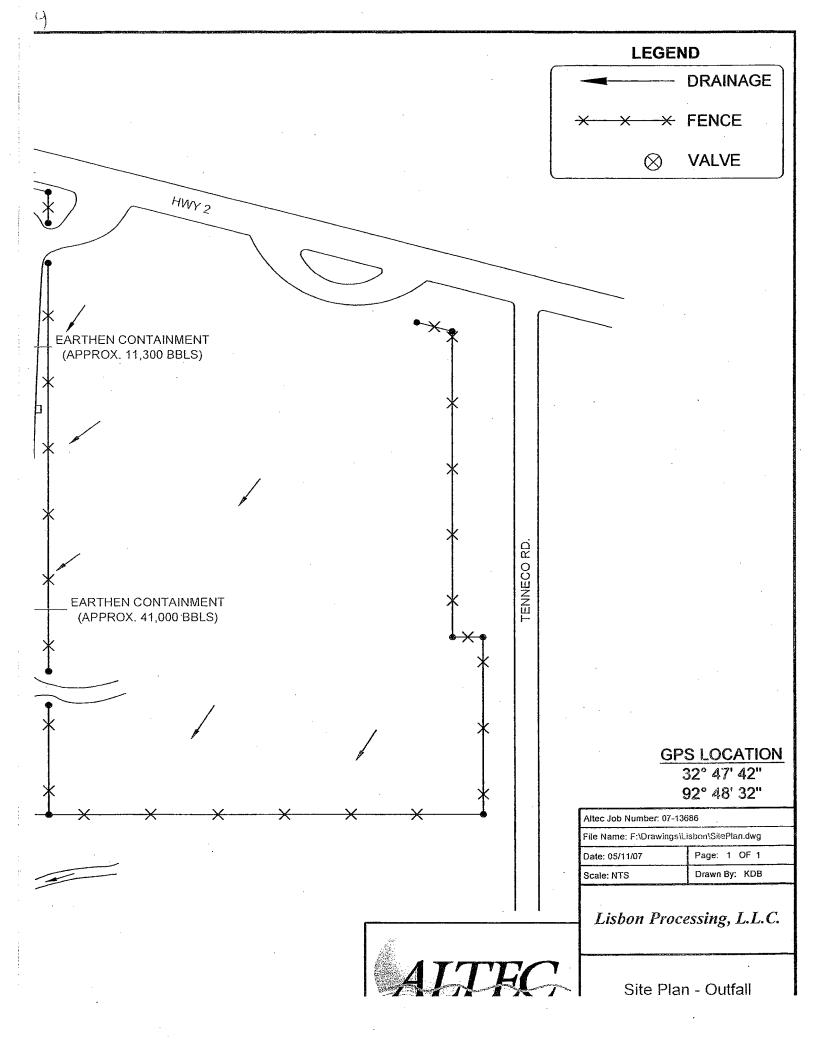
| LAC 33:III. | Completeness Questions Relative to the Part 70 Permit Application | Yes | No | NA | Location Within the Permit Application |
|--|---|-----|----|----|---|
| 517.A Timely Submittal | For Initial Applications, was a copy of the Application also Submitted to EPA? | | | Х | Not Title V |
| 517.B.1,2 Certification | Does the Application include a Certification by a Responsible Official? | X | | | Section 3.0 and 4.0 |
| 517.B.3 Certification | Does the Application Include Certification by a Professional Engineer or their Designee: | . X | | | Section 3.0 |
| 517.D.1 Identifying Information | Does the Application Include: | | | | |
| | Company Name, Physical and Mailing Address of Facility? | Х | | | Section 3.0 and 4.0 |
| | 2. Map showing Location of the Facility? | х | | | Figures |
| | 3. Owner and Operator Names and Agent? | Х | | | Section 3.0 |
| _ | Name and Telephone Number of Plant Manager or Contact? | Х | | | Section 4.0 |
| 517.D.2 SIC Codes, Source Categories | Does the Application Include a Description of the Source's Processes and Products, including SIC code, and | X | | | Section 2.0 and 4.0 |
| | EPA Source Category of HAPs if applicable? | | | X | |
| 517.D.3,6 EIQ Sheets | Has an EIQ Sheet been Completed for each Emission Point whether an Area or Point Source? | х | | | Section 3.0 |
| 517.D.4 Monitoring Devices | Does the Application Include Identification and Description of Compliance Monitoring Devices or Activities? | × | | | Section 3.0 Table 3 |

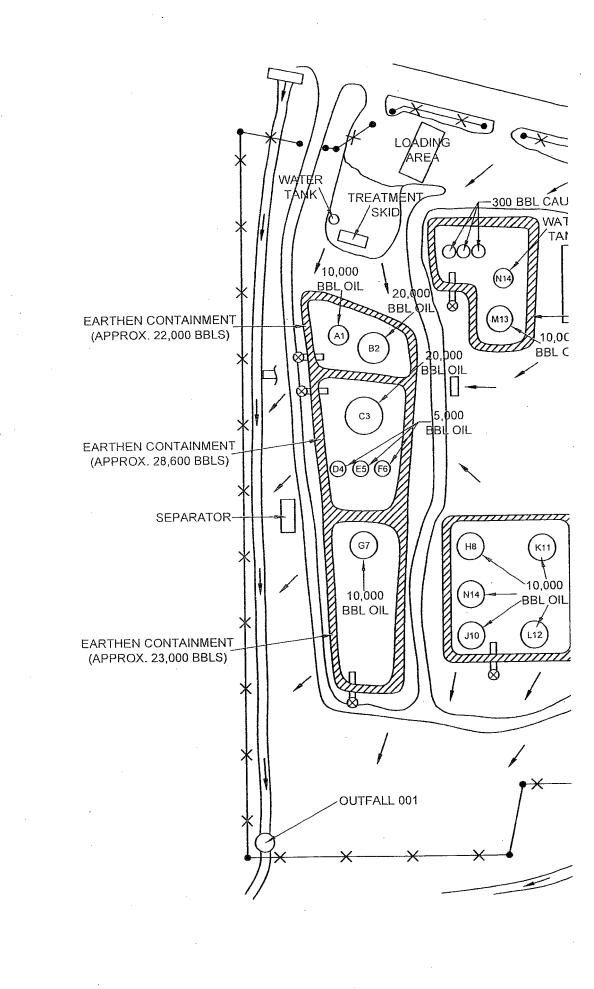
| 1,, | | 7 | | | |
|---|--|---------------|----|----|---|
| LAC 33:III. | Completeness Questions Relative to the Part 70 Permit Application | Yes | No | NA | Location Within the Permit Application |
| 517.D.5 Revisions and Modifications Only | For Revisions or Modifications, Does the Application include a Description of the Proposed Change and any Resulting Change in Emissions? | | | Х | Initial Permit |
| 517.D.7 General Information | Does the Application Include Information Regarding Fuels, Fuel Use, Raw Materials, Production Rates, and Operating Schedules as necessary to substantiate emission rates? | | | X | |
| 517 D.8 Operating Limitations | Has Information Regarding any Limitations on Source Operation or any Applicable Work Practice Standards been Identified? | | | Х | |
| 517.D.9 Calculations | Are Emission Calculations Provided? | Х | | | Exhibit 1 |
| 517.D.10 Regulatory Review | Does the Application Include a Citation and Description of Applicable Louisiana and Federal Air Quality Requirements and Standards? | Х | | | Section 3.0 Tables 1 and 2 |
| 517.D.11 Test Methods | Has a Description of or a Reference to Applicable Test Methods Used to Determine Compliance with Standards been Provided? | | | X | |
| 517.D.12 Major Sources of TAPs | Does the Application include Information Regarding the Compliance History of Sources Owned or Operated by the Applicant (per LAC 33.III.5111)? | | х | | |
| 517.D.13 Major Sources of TAPs | Does the Application include a Demonstration to show that the Source Meets all Applicable MACT and Ambient Air Standard Requirements? | | | X | |
| 517.D.14 PSD Sources Only | If Required by DEQ, Does the Application Include Information Regarding the Ambient Air Impact for Criteria Pollutants as Required for the Source Impact Analysis per LAC 33:III.509.K, L, and M? | | | X | |
| 517 D.15 PSD Sources Only | If Required by DEQ, Does the Application Include a Detailed Ambient Air Analysis? | | | X | |
| 517.D.16, 18 | Has any Additional Information been Provided? | | | X | |
| 517.D.17 Fees | Has the Fee Code been Identified? | X | | | Section 3.0 |
| | Is the Applicable Fee Included with the Application? | Х | | | |
| 517.E.1 Additional Part 70 Requirements | Does the Certification Statement Include a Description of the Compliance Status of Each Emission Point in the Source with All Applicable Requirements? | x . | | | Section 3.0 |
| 517E.2 Additional Part 70 Requirements | Does the Certification Statement Include a Statement that the Source will continue to Comply with All Applicable Requirements with which the Source is in Compliance? | X | | | Section 3.0 |
| 517.E.3 Additional Part 70 Requirements | Does the Certification Statement Include a Statement that the Source will, on a timely basis, meet All Applicable Requirements that will Become Effective During the Permit Term? | х | | | Section 3.0 |

| LAC 33:III. | Completeness Questions Relative to the Part 70 Permit Application | Yes | No | NA | Location Within the Permit Application |
|--|---|-----|----|----|---|
| 517.E.4 Additional Part 70 Requirements | Are there Applicable Requirements for which the Source is not in Compliance at the Time of Submittal? | | X | | |
| · | Does the Application include a Compliance Plan Schedule? | | | Х | |
| | Does the Schedule Include Milestone Dates for which Significant Actions will occur? | | | Х | |
| | Does the Schedule Include Submittal Dates for Certified Progress Reports? | | | Х | |
| 517.E.5 Additional Part 70 Requirements Acid Rain | Is this Source Covered by the Federal Acid Rain Program? | | X | | |
| - | Are the Requirements of LAC 33.III.517.E 1-4 included in the Acid Rain Portion of the Compliance Plan? | | | Х | |
| 517.E.6 Additional Part 70 Requirements | Have any Exemptions from any Applicable Requirements been Requested? | | X | | |
| | Is the List and explanations Provided? | | | Х | |
| 517.E.7 Additional Part 70 Requirements | Does the Application Include a Request for a Permit Shield? | | X | | |
| | Does the Request List those Federally Applicable Requirements for which the Shield is Requested along with the Corresponding Draft Permit Terms and conditions which are Proposed to Maintain Compliance? | | | Х | |
| 517.E.8 Additional Part 70 Requirements | Does the Application Identify and Reasonably Anticipated Alternative Operating Scenarios? | | х | | |
| | Does the Application include Sufficient Information to Develop permit Terms and Conditions for Each Scenario, Including Source Process and Emissions Data? | | · | Х | |
| | | | | | |
| 517.F Confidentiality | Does the Application Include a Request for Non-Disclosure (Confidentiality)? | | х | | |
| 525.B. Minor Permit Modifications | Does the Application Include a Listing of New Requirements Resulting for the Change? | | | х | |
| | Does the Application Include Certification by the Responsible Official that the Proposed Action Fits the Definition of a Minor Modification as per LAC 33:III.525.A. | | | х | |
| | Does the Certification also Request that Minor Modification Procedures be Used? | | | × | |

| LAC 33:III. | Completeness Questions Relative to the Part 70 Permit Application | Yes | No | NA | Location Within the Permit Application |
|-------------|--|-----|----|----|---|
| | Does the Application, for Part 70 Sources, Include the Owner's Suggested Draft Permit and Completed Forms for the Permitting Authority to Use to Notify Affected States? | | | х | |







Duis Dreyfus Olefins LLC 14 1 lighway 75 10 nar, LA 70734 (COL. 1)

(COL. I)

tank truck order direct manifest bill of lading

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| ON OPER | ATORS WITNESS | OR WAIVER NO | Cy' | TIM SE/ | AL OFF | M_ |
| GAUG | | 1/6/1 | 1 10 | ТІМ | | 11.010 |
| OFF OPER | ATORS WITNESS | OR WAIVER NO | | SE | M I M | |
| THIS TICKET COVE | RS ALL CLAIMS FOR KET WAS RECEIVED TAYLOR PRO | AND RUN AS TI | HE PROPERTY OF | NTED BY THE | S TICKET HAS | ;H |

GAS A

Gulf Liquids New River Project, LLC Geismar site
Gasoline Vial 1
6/15/2007 7:59:30 PM
C:\HPCHEM\2\METHODS\1GASO.M
C:\HPCHEM\2\DATA\SIG11765.D
Sample log number:GE070613001

Specific gravity (60:60):.6592

Vapor pressure (psi): [4.8]

| # | Ret.Time | Area | Compound Name | Wt.% |
|---|--|--|---|---|
| 1 2 3 4 5 6 7 8 9 | 2.030 0.000 4.490 4.775 5.095 6.157 6.879 7.353 7.549 7.682 | 20.245 0.000 375.025 211.050 172.355 1600.383 35314.207 4928.526 4870.111 19830.432 | 1-Pentene 2-methyl-1-butene n-Pentane 1 | 0.0177 0.0000 0.3275 0.1843 0.1505 1.3977 30.8413 4.3043 4.2533 7.3187 |
| 11 - | 12.443 | 47180.520 | Hexanes Plus 4 | 1.2047 |

Louis Dreyfus Olefins, LLC Sulfur Analysis 6/16/2007 12:56:18 AM C:\HPCHEM\4\METHODS\SULFGASO.M C:\HPCHEM\4\DATA\SIG19387.D Sample log number:GE070615001

| # | Compound Name | wt ppm | Area | Meas. R |
|----------|--|----------------|--------------------|------------------|
| _ | ا . الما مقاهد مد مدهان الروايد الله والمداهد المادي في المدهان المادي المدهان المادي في المدهان المادي في المادي | and the second | | 0.000 |
| 2 | carbonyl sulfide | 0.0000 | 0.000 | 0.000 |
| 3 | | | 1.677e3 | 1.838 |
| 4 | methyl mercaptan | 17.8987 | 7.466e3 | 2.006 |
| 5 | ethyl mercaptan | 1913.8065 | 4.870e5 | 3.159 |
| 6 | diMethyl sulfide | 701.8733 | | 3.541 |
| 7 | | | 1.989e4 | 3.690 |
| 8 | | | 3.498e3 | 4.011 |
| 9 | | | 3.940e5 | 4.413 |
| 10 | | | 2.231e4 | 5.232 |
| 11 | | | 5.797e3 | 5.338 |
| 12 | 63333 64.3- | | 3.112e5 | 5.676 |
| 13 | ethylmethylsulfide | 441.2538 | | 5.826 |
| 14 | mh i amh am a | | 2.261e3 | 5.973 |
| 15 | Thiophene | 3030.7947 | 4.422e3 4.877e4 | 7.226 7.495 |
| 16 17 | diEthyl sulfide | 143.1330 | | 8.061 |
| 18 | direnyi suilide | | 5.757e4 | 8.373 |
| 19 | nbutyl mercaptan | | 2.609e3 | 8.514 |
| 20 | indey1 increapedir | | 1.424e3 | 8.684 |
| 21 | Dimethyldisulfide | 1848.1649 | | 9.110 |
| 22 | , _ | | 3.202e3 | 9.364 |
| 23 | | 0.0000 | 8.328e3 | 9.464 |
| 24 | | 0.0000 | 1.850e4 | 9.622 |
| 25 | | 0.0000 | 3.052e5 | 9.860 |
| 26 | 2-methyl-1-butanethiol | 1854.3261 | 1.961e5 | 10.024 |
| 27 | 3-methyl-1-butanethiol | 87.8602 | | 10.231 |
| 28 | | | 2.178e4 | 10.619 |
| 29 | 1-pentanethiol | 140.0805 | | 10.865 |
| 30 | | | 1.284e5 | 11.276 |
| 31 | • | | 6.143e3 | 11.473 |
| 32 | | | 3.738e4 | 11.634 |
| 33 | | • | 7.589e4 | 12.005 |
| 34 35 | | • | 8.058e4 1.116e5 | 12.107 12.264 |
| 36 | | | 1.331e5 | 12.515 |
| 37 | • | | 2.589e4 | 12.837 |
| 38 | ditertbutylsulfide | 164.3384 | | 12.949 |
| 39 | Diethyldisulfide | 1197.7697 | | 13.145 |
| 40 | Dictiny laibuillac | • | 4.124e4 | 13.359 |
| 41 | | 0.0000 | | 13.538 |
| 42 | | 0.0000 | | 13.698 |
| 43 | | 0.0000 | | 13.992 |
| 44 | | 0.0000 | | 14.239 |
| 45 | disecbutylsulfide | 426.8143 | | 14.441 |
| 46 | diisobutylsulfide | 193.8503 | | 14.689 |
| 47 | · · · · · · · · · · · · · · · · · · · | 0.0000 | | 15.026 |
| 48 | | 0.0000 | 1.129e5 | 15.281 |
| 49 | - | 0.0000 | 1.428e5 | 15.494 |
| 50 | | 0.0000 | 1.343e4 | 15.614 |
| 51 | | 0.0000 | 1.194e3 | 15.992 |
| 52 | | 0.0000 | | 16.168 |
| 53 | dinbutylsulfide | 36.2789 | | 16.283 |
| 54 | | 0.0000 | | 16.409 |
| 55 | | 0.0000 | 7.791e3 | 16.533 |

| # | Compound Name | wt ppm | Area | Meas. R | | |
|-------------|-----------------------|---|------------------|---------|-------------------|--------|
| 56 | | 0.0000 | 5.694e3 | 16.409 | | |
| 5 7 | | 0.0000 | 1.064e4 | | | |
| 58 | | | 7.341e4 | | | • |
| 59 | DiPropyldisulfide | 2441.0932 | | | | |
| 60 | | | 1.685e3 | | | |
| 61 | | | 9. 82 5e4 | | | |
| 62 | | | 2.035e4 | | | |
| 63 | | | 4.861e3 | | | |
| 64 | | | 2.400e3 | | | |
| 65 | | | 4.543e3 | | | |
| 66 | • | | 3.450e4 | | | |
| 67 | • | | 6.335e3 | | | |
| 68 | | | 2.555e4 | | | |
| 69 | | | 1.346e4 | | - | |
| 70 | • | | 4.466e3 | | | |
| 71 | | | 6.247e3 | | | |
| 72 | | | 4.759e3 | | | |
| 73 | | | 9.239e3 | | | |
| 74 | | | 2.245e3 | | | |
| 75 | | | 2.596e3 | | | |
| 76 | | | 5.984e3 | | | |
| 7 7 | · | | 3.135e3 | | | |
| 78 | | | 3.157e3 | | | |
| 79 | Dibutyldisulfide | 0.0000 | 0.000 | 0.000 | | |
| Tot | al known sulfur cmpds | 15331.2264 | | | | |
| | | ======================================= | ======= | ======= | | ====== |
| Total Know | - Culfur. | | 5485.08 | 18 | | |
| | | | 5507.65 | | | |
| Total Unkno | own Sulfur Compounds: | • | 2446.41 | | | |
| Total Sulfi | · | | 7931.49 | | | |
| | | | ======= | | :=== == == | ====== |

Timothy Beary

uis Dreyfus Olefins LLC

1 Highway 75 Par. LA 70734

(COL. 1) 4

tank truck order direct manifest bill of lading

No.05020

RATE OF BRANCHING MINES

| | | | | ı | 1 OA | DING TIME | | Cus | T. ORDER NO | |
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| ISIGNED TO: (COLS. 2-10) | | | | | | MO. DA | Y YA. | 1003 | D/ Lan | 4- A. |
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| ishan la. | | | | SHIP | □P.P.D | · | COL. | THRU | | |
| DESCRIPTION | GROSS GALLONS | | ALLONS | TANK NO. | UPG VAPOR PRESSURE | GRAVITY | GALLO | | PERCENT LOADED | ADJUSTMENT |
| | GALLONS | | | NO. | PHESSURE | | | | | |
| IQUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORROSIVE) | | | | | | | | | | |
| LPG MIX | | | | | | | | | | |
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| PROPYLENE | | | | | | | | | | |
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| ámmable tiquids (Natural asoline), n.o.s., 3, UN 1993, PG I, D (Benzene) | | | | | | | | | | |
| TO THE STATE OF TH | | 1 | | | 1 | | | | | |
| D. SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II | [| | | | | | | | | |
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| | | 7 | 58.[8] | Δ | liche. | .6629 | Olin | 2 | | |
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| 182.34 BBLS | | | | Icoup | CE OF SH | IDMENIT | | | EIOLAAD. | |
| | | | TANK PRESSUR | PLANT | CE OF SI | | | Gi | EISMAR | |
| | | | BEFORE | Mic chi | pmeni shali l | be governed by | (a) the contra | ct betw | een shipper and c | arrier, if carrier is |
| DATE DATE | | | LOADING | Freight | Classification | in effect at tim | e of shioment | . suopie | ements thereto or i | in National Motor eissues thereof, if |
| | | <u>-</u> - | 10/ | in a stat | e where bills | of lading have | been legally p | s an inti irescrib | rastate shipment b ed, this shipment : | shall be governed |
| 21 TRAILER NO CARRIERY | 01/80, | 'n | Y 0 | by the te | erms of appli | cable bill of lad | ing. | | | |
| AL INSTRUCTIONS | | ET | HYL MERCAP | TAN | | | | | CC NO. | |
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| R) A+ | DRIVER | | | ~ | GROSS | WT. | | | | |
| is and line that the caree tank supplied for this shipment is a proper conf | lainer for the trans | portation of | this commodit | / | - | | | ^ | | ection 7 of Condi- |
| d by the shipper. This is to certify that the above named materials are p and are in proper condition for transportation, according to the applicable | roperly classified. | described, p | packaged, mar | ked and | | 71 | 1820 |) | if this shipmen to the cosigner | able bill of lading, I is to be delivered without recourse |
| Dreyfus Olefins LLC PER | , 14 | | , | | TARE W | т. | · | | shall sign the | nor, the consignor following state- |
| SHIPPER B. | Datto |) . | | | | 7, | 307 | n | ment: The car | rier shall not make shipment without |
| 'ED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE | DOE OF ISSUA | NCE HERE | OF. | | - | | 2826 | ر | payment of tre | eight and all other s. Louis Dreyfus |
| ER PA / | 5_/ | - \ - \ | | | NET WI | | | | | ins LLC. |
| IVED AT DESTINATION | | | | | 7 | , , r | , | | Per | |
| AR PLANT | | | | | | 46 | <u>1000</u> |)(| | |
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HIS SHIPPING ORDER must be tegibly lided in, in link, in Indelible Penc4 or in Carbon, and relatined by the Agent

| | ON OIL, INC. | | | | Shipp | er's No | | <u> </u> | |
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| EIVED subject to individu | IGS, LA 70546 pally determined rates or contracts that have | SCA(| g between the | carrier and shippe | Carrie er, if applicabl | er'S No e, otherwise to | | | have been |
| blished by the carrier and | are available to the shipper, on request; ar | | | | | , | | | |
| <u> 15015</u> | Mar | , date | 6/ | 3-07 | _ from | £04 | 15 L | and the subject and | 5 |
| ie word company being ui ute, or otherwise to delive | w, in apparent good order, except as note inderstood throughout this contract as mea r to another carrier on the route to said de- rested in all or any of said Property that is ditions on the back hereof, which are heret | ining any person or corporali stination. It is mutually agreet every service to be performe | ion in possessi d as to each ca ed hereunder sl | on of the property irrier of all or any half be subject to | y under the co of said Prope all the condi | ontract) agrees rtv over all or a | no carry to be | invery at said destination aid route to destination | and as to |
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| nsignee /a | ylar Propon | | 1 | er <u>Lo</u> | 4.5. | Drey. | Fus | <u> </u> | |
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| nit C.O.D. to: | | | COD | AMT: | shipment is without rea | o Section 7 of co to be delivered to ourse on the c | the consignee onsigner, the | C. O. D. FE | =: |
| ress: | State: Z | ip: | \$ | | Consignor sh | all sign the following er shall not make thout payment of theres | delivery of this | Prepaid Collect \$ | |
| re the rate is dependent on value, ship or declared value of the property is his saled by the shipper to be not exceed | | declared value of the property. | Charges | Advanced | · . | Signature of consig | nor) | FREIGHT CHA | ARGES Collect |
| mity that the above-tramed materials | in this shipment may be applicable. See 49 U.S.C. 14706(c) are properly classified, described, packaged, marked and lable a applicable regulations of the Department of Transportation. | PLACARDS REQUIRED | | 1993 | | ACARDS PPLIED | YES DRIVER'S S | NO FURNISHED BY | CARRIER |
| CIAL INSTRUCTIO | NS: | | | | | | <u>B</u> . | 11, | 101 |
| PER COUIS | Dotto DA | TE: <u>6-13-07</u> | _ CARRIE | | SON OII NGS, L/ | ., INC 2 \ 70546 | 2035 EV | ANGELINE HYDATE: 6-13 | YY. 2-07 |
| ent post office address of s | hinner | | TELEPH | ENCY RESP | ER: (8 | 00) 424 | | e incidental to transportation | n (§172.504). |

Gulf Liquids New River Project, LLC

Geismar site

Gasoline Vial 1 6/13/2007 1:42:21 PM

C:\HPCHEM\2\METHODS\1GASO.M C:\HPCHEM\2\DATA\SIG11762.D Sample log number:GE070613001

Specific gravity (60:60):

Vapor pressure (psi): 14,45

| # | Ret Time | Area | Compound Name | Wt.% |
|----|----------|-----------------------|-------------------|---------|
| 1 | 2.032 | 56.905 | IsoButane | 0.0355 |
| 2 | 4.277 | 17.462 | t-2-Butane | 0.0109 |
| 3 | 4.487 | 861.959 | n-Butane | 0.5377 |
| 4 | 4.777 | 344.815 | 1-Butane | 0.2151 |
| 5 | 5.094 | 342.493 | IsoButane | 0.2136 |
| 6 | 6.155 | 2780.501 | c-2-Butane | 1.7345 |
| 7 | 6.876 | 45201.082 | Isopentane | 28.1961 |
| 8 | 7.352 | 6869.663 [.] | 1-Pentene | 4.2852 |
| 9 | 7.548 | 6919.319 | 2-methyl-1-butene | 4.3162 |
| 10 | 7.681 | 25500.135 | n-Pentane | 15.9068 |
| 11 | 12.443 | 71415.445 | Hexanes Plus | 44.5484 |

Louis Dreyfus Olefins, LLC Sulfur Analysis 6/13/2007 1:41:47 PM C:\HPCHEM\4\METHODS\SULFGASO.M C:\HPCHEM\4\DATA\SIG19368.D Sample log number:GE070613001

| # | Compound Name | wt ppm | Area | Meas. R |
|----------|------------------------|-----------|---------|------------------|
| 1 | hydrogen sulfide | 0.0000 | 0.000 | 0.000 |
| 2 | carbonyl sulfide | 0.0000 | | 0.000 |
| 3 | methyl mercaptan | | 3.687e3 | 2.005 |
| 4 | ethyl mercaptan | 1675.1823 | | 3.158 |
| 5 | diMethyl sulfide | 789.2451 | | 3.535 |
| 6 | 42,1001112 242224 | | 1.154e3 | 4.011 |
| 7 | | | 4.149e5 | 4.372 |
| 8 | | 0.0000 | 5.940e3 | 5.229 |
| 9 | | 0.000 | 2.944e3 | 5.332 |
| 10 | | 0.0000 | 3.212e5 | 5.681 |
| 1.1 | ethylmethylsulfide | 527.5221 | | 5.822 |
| 12 | <u> </u> | 0.0000 | 623.562 | 6.592 |
| 13 | Thiophene | 3322.2784 | 4.847e5 | 7.209 |
| 14 | | 0.0000 | 5.122e4 | 7.493 |
| 15 | | 0.0000 | 745.655 | 7.738 |
| 16 | diEthyl sulfide | 119.6143 | 8.527e3 | 8.058 |
| 17 | | | 7.162e4 | 8.370 |
| 18 | nbutyl mercaptan | 17.4714 | | 8.511 |
| 1.9 | • | | 1.495e3 | 8.679 |
| 20 | Dimethyldisulfide | 1261.0136 | | 9.107 |
| 21 | | | 1.519e4 | 9.460 |
| 22 | | | 2.519e4 | 9.619 |
| 23 | | · | 3.371e5 | 9.861 |
| 24 | 2-methyl-1-butanethiol | 2559.9527 | | 10.021 |
| 25 | 3-methyl-1-butanethiol | 140.1401 | 9.459e3 | 10.234 10.390 |
| 26 | | | 3.984e4 | 10.390 |
| 27 | 1 montanothiol | 211.6628 | | 10.861 |
| 28 29 | 1-pentanethiol | | 1.324e5 | 11.272 |
| 30 | | | 2.940e3 | 11.471 |
| 31 | | | 5.355e4 | 11.631 |
| 32 | | · · | 1.061e5 | 12.001 |
| 33 | | | 1.190e5 | 12.103 |
| 34 | _ | | 1.834e5 | 12.261 |
| 35 | | | 2.035e5 | 12.511 |
| 36 | • | 0.0000 | 4.085e4 | 12.833 |
| 37 | | 0.0000 | 7.371e3 | 12.943 |
| 3.8 | ditertbutylsulfide | 255.0512 | 7.722e3 | 13.029 |
| 39 | Diethyldisulfide | 903.5359 | 4.878e4 | 13.153 |
| 40 | | 0.0000 | 3.515e4 | 13.356 |
| 41 | | 0.0000 | 6.697e3 | 13.533 |
| 42 | | 0.0000 | 9.840e3 | 13.695 |
| 43 | | 0.0000 | 6.011e3 | 13.830 |
| 44 | • | 0.000 | 7.215e4 | 13.989 |
| 45 | | 0.0000 | 5.785e4 | 14.232 |
| 46 | disecbutylsulfide | 886.9454 | 4.839e4 | 14.437 |
| 47 | diisobutylsulfide | | 9.894e3 | 14.684 |
| 48 | | 0.0000 | - | 15.027 |
| 49 | | 0.0000 | | 15.277 |
| 50 | | 0.0000 | | 15.491 |
| 51 | | 0.0000 | | 15.612 |
| 52 | | 0.0000 | | 15.810 |
| 53 | | 0.0000 | | 15.989 |
| . 54 | 31.3 | | 5.974e3 | 16.165 |
| 55 | dinbutylsulfide | 0.0000 | 0.000 | 0.000 |

| | Compound Name | wt ppm | Area | Meas R | | |
|---|---|------------|---------|--------|-------|---|
| 56 | DiPropyldisulfide | 2909.4781 | 8.994e4 | | | |
| 57 | • • | | 1.228e3 | 16.980 | | |
| 58 | | .0.000 | 1.065e5 | | | |
| 59 | | | 1.975e4 | 17.455 | | |
| 60 | · | | 5.258e3 | 17.722 | | |
| 61 | | 0.0000 | 1.717e3 | 17.842 | | |
| 62 | | | 4.187e4 | 18.143 | | |
| 63 | | 0.0000 | 2.829e4 | | | |
| 64 | | | 1.209e4 | 18.632 | • | |
| 65 | | | 3.607e3 | 18.967 | | |
| 66 | ~ | 0.0000 | 6.152e3 | | | |
| 67 | | 0.0000 | 4.444e3 | 19.259 | | |
| 68 | | 0.0000 | 8.059e3 | 19.712 | | |
| 69 | | 0.0000 | 1.715e3 | 19.870 | | |
| 70 | | 0.0000 | 2.731e3 | 20.156 | | |
| 71 | | 0.0000 | 5.212e3 | 20.332 | | • |
| 72 | ř | 0.0000 | 3.018e3 | 21.080 | | |
| 73 | Dibutyldisulfide | 0.0000 | 0.000 | 0.000 | | |
| | al known sulfur cmpds | | | | | |
| 1000 | | 14089.5730 | | | | |
| ======================================= | ======================================= | | ======= | | .==== | |
| | and for | | 5315.3 | 52 | | |
| Total Known | n Sultur Compounds: | | 4715.0 | | | |
| Total unkno | own Sulfur Compounds: | | 2100.5 | | | |
| Total Unkno | own Sulfur: ur: | | 7415.93 | | | |
| | | | | | | |

Timothy Beary

Ouis L. yfus Olefins LLC 134 Highway 75 ismar, LA. 70734 [COL. 1) 4

tank truck order direct manifest bill of lading

No.04542

| TANK COLD TO D. D. D. D. D. D. D. D | DNSIGNED TO: (cols. 2-10) | | | | | LOA | DING T | ME | | CUST | ORDER NO | |
|--|--|------------------------|--|-----------------------|-------------|-----------------|-------------|--------------|---------------------------------------|---------------------------|------------------------------|---------------------------------|
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| LISBON HE DESCRIPTION ORACONS RETGALIDRES PROPRIED FOR THOSE CONTROL ORACONS ON THE STATE OF THOSE CONTROL ORACONS LOUGHTED PSTROLEUM GAS, 2.1, UN 10/3 (MDH CASRIDOSM) INDIVIDUAL ORACONS PROPRIED FOR THOSE CONTROL ORACONS ON THE STATE | | | | <u> </u> | | | 112 | , <i>,</i> , | | | SEAL NU | JMBERS |
| DESCRIPTION GRALONS GRALONS GRALONS GRALONS GRAVITY GRAVITY GALLONS GALLONS GRAVITY GALLONS GALLONS GALLONS GRAVITY GALLONS GRAVITY GALLONS | Lisbon LA. | | | SHII | P | | 124 | <i>-</i> | ' | | | |
| LICUEFEE PETROLEM GAS, 2.1, UN 10/3 RICHICKRIOSINS BUTANE BU | | | | | NK | UPG | T CDAY | | OL. 1 | | PERCENT | TADIUSTMENT |
| PROPPLENE BUTANE BUT | | GALLONS | [COLS. 40-41 | i N | 0. | PRESSURE | GRAI | /// | | | | · |
| PROPRIES BUTANE BUTA | LIQUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORROSE | vE) | | | | | | 1 | | 1 | | |
| PROPRIES BUTANE BUTA | | | | | | | | | | | | |
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AYLOR PROPANE GAS, INC.

O. BOX 438 finnsboro, TX 75494 03-342-1300

DOT# 236068 ICC # MC 241655

EMERGENCY CONTACT CHEMTREC 1-800-424-9300

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Gulf Liquids New River Project, LLC Geismar site Gasoline Vial 1 5/1/2007 10:50:25 AM C:\HPCHEM\2\METHODS\1GASO.M C:\HPCHEM\2\DATA\SIG11680.D Sample log number:GE070429002

4725. - A 10.M 0.D 29002 .6674 13.72

Specific gravity (60:60):

Vapor pressure (psi):

| # | Ret.Time | Area | Compound Name | Wt.% |
|---|--|---|---|---|
| 1 2 3 4 5 6 7 8 9 10 | 0.000 0.000 4.484 4.777 5.090 6.151 6.873 7.349 7.545 7.678 | 0.000 0.000 1121.988 424.942 526.848 2134.170 38259.164 5790.067 5386.570 24990.883 71041.039 | IsoButane t-2-Butane n-Butane 1-Butane IsoButane c-2-Butane Isopentane 1-Pentene 2-methyl-1-butene n-Pentane Hexanes Plus | 0.0000 0.0000 0.7496 0.2839 0.3520 1.4259 25.5614 3.8684 3.5988 16.6967 47.4633 |
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| # | Compound Name | wt | ppm | Area | Meas. R |
| | 1 | | 0 0000 | 0 000 | υ υυύ |
| 2 | carbonyl sulfide | a | 0.0000 | 0.000 | 0.000 |
| 3 | methyl mercaptar | | 3.6745 | 1.533e3 | 1.980 |
| 4 | ethyl mercaptar | | 1517.9491 | 3.863e5 | 3.162 |
| 5 | diMethyl sulfide | | 608.1627 | 6.455e4 | 3.500 |
| 6 | • | | | 2.226e3 | 3.974 |
| 7 | | • | | 3.779e5 | 4.341 |
| 8 | | | | 1.853e3 | 5.193 |
| 9 | | | | 2.190e3 | 5.298 |
| 10 | | | | 2.870e5 | 5.636 |
| 11 | ethylmethylsulfide | | 382.8779 | | 5.786 |
| 12 | Thiophene | e | 3087.5302 | | 7.188 |
| 13 | | | and the second s | 3.963e4 | 7.460 8.026 |
| 14 | diEthyl sulfide | e | 43.9497 | 5.231e4 | 8.339 |
| 15 | | _ | | 1.092e3 | 8.478 |
| 16 | nbutyl mercaptar | | 553.2352 | | 9.075 |
| 17 | Dimethyldisulfide | . | | 1.293e4 | 9.429 |
| 18 19 | | | | 2.163e4 | 9.589 |
| 20 | | | 0.0000 | 3.267e5 | 9.828 |
| 21 | 2-methyl-1-butanethio | 1 | 2404.2497 | | 9.990 |
| 22 | 3-methyl-1-butanethio | | 68.7110 | 7.179e3 | 10.205 |
| 23 | | | 0.0000 | | 10.362 |
| 24 | | | | 2.440e4 | 10.585 |
| 25 | 1-pentanethio | 1 . | 182.0872 | | 10.832 |
| 26 | | | | 3.845e4 | 11.243 |
| 27 | | | | 1.737e3 | 11.441 11.601 |
| 28 | • | | | 4.804e4 1.053e5 | 11.601 |
| 29 | | | | 1.150e5 | 12.074 |
| 30 | | | | 1.769e5 | 12.233 |
| 31 | | | | 1.649e5 | 12.482 |
| 32 | | | | 3.570e4 | 12.804 |
| 33 34 | | | | 5.506e3 | 12.914 |
| 35 | ditertbutylsulfide | P. | 189.6507 | | 13.001 |
| 36. | dicci chacy 15 a212a | | | 2.695e4 | 13.105 |
| 37 | Diethyldisulfide | e | 287.0956 | | 13.268 |
| 38 | | | 0.0000 | 1.829e3 | 13.504 |
| 39 | | | 0.0000 | 3.112e3 | 13.668 |
| 40 | | | 0.0000 | 7.376e4 | 13.965 |
| 41 | | | | 5.059ė4 | 14.196 |
| 42 | disecbutylsulfide | e | 982.5304 | | 14.410 |
| 43 | diisobutylsulfide | e . | 107.4698 | | 14.681 |
| 44 | | | | 2.243e4 | 15.003 |
| 45 | | • | | 5.941e4 | 15.250 |
| 46 | | | | 9.564e4 | 15.464 |
| 47 | • | • | | 6.266e3 | 15.586 |
| 48 | • | • | | 1.800e3 | 15.882 |
| 49 | 4 | | | 2.264e3 0.000 | 16.136 |
| 50 | dinbutylsulfide | е | 0.0000 | 9.379e3 | 0.000 16.503 |
| 51 | | - | | 4.115e4 | 16.624 |
| 52 | Dibmonildi and fid | • | 1122.2824 | | 16.717 |
| 53 | DiPropyldisulfide | _ | | 877.551 | 16.957 |
| 54 55 | | | | 3.714e4 | 17.124 |
| 22 | • | | | | |

| • | | |
|--------|------------------------------|-------------------------|
| | 56 | 0.0000 1.438e4 17.214 |
| • , | 57 | 0.0000 1.475e4 17.428 |
| | 58 | 0.0000 3.893e3 17.697 |
| | · 59 | 0.0000 3.210e3 17.929 |
| | 60 | 0.0000 2.114e4 18.114 |
| | 61 | 0.0000 5.620e3 18.301 |
| | 62 | 0.0000 1.836e4 18.440 |
| | 63 | 0.0000 9.311e3 18.592 |
| • | 64 | 0.0000 3.917e3 18.933 |
| | 65 | 0.0000 4.474e3 19.081 |
| | 66 | 0.0000 5.022e3 19.218 |
| | 67 | 0.0000 7.845e3 19.670 |
| | 68 | 0.0000 7.325e3 20.292 |
| | 69 | 0.0000 2.551e3 20.692 · |
| | 70 | 0.0000 1.627e3 21.034 |
| | 71 Dibutyldisulfide | 0.0000 0.000 0.000 |
| | 72 | 0.0000 2.616e3 21.891 |
| | Total known sulfur cmpds | |
| | - | 11551.1705 |
| ====== | | |
| | | |
| Tota | al Known Sulfur: | 3742.830 |
| Tota | al Unknown Sulfur Compounds: | 4464.856 |
| | al Unknown Sulfur: | 1974.811 |
| Tota | al Sulfur: | 5717.640 |
| | | |
| ====== | | |
| | | |

Timothy Beary

| Ouis Dreyfus Olefins LLC 34 Highway 75 smar, LA. 70734 (COL. 1) | 1 | tank tr | uck orc | | t manifest It of lading | ICOLS 17 23) | No.045 | |
|--|-----------------------|------------------------|---|--|--|--|--|--|
| NSIGNED TO: (COLS. 2-10) | | | | | | | | C 7) [KANMV[EL 535] |
| | ···· | | | LO | ADING TIME | -· | CUST. ORDER N | iO. |
| Taylor | • | | (co | LS. 11-16) | | 04 PR. | LDGASO | |
| , | | | STARTE | | | <i>(</i> 2) | | UMBERS |
| 1 - 1 | | | FINISHE | ED · | 451 pm | 7 | FROM | |
| Lishon LA: | | | SHIP | □P.P.D | [| Эсог. | THRU | |
| DESCRIPTION | GROSS GALLONS | NET GALLONS | TANK NO. | VAPOR PRESSURI | GRAVIT | CAPAC GALLO | | ADJUSTMENT TEMP. FACT. |
| LIQUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORROS | SIVE) | | | | | | | |
| LPG MIX | | | | | | | | - |
| PROPYLENE | | | | | | | | |
| PROPANE | | | | | | | | |
| BUTANE | | | | | | | | |
| Yammable Liquids (Natural Basoline), n.o.s., 3, UN 1993, PG I, 3Q (Benzene) | | | | | | | | |
| 1Q, SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II | | | | | | | | • |
| | | | | | | | | |
| | | 6541.77 | | 13.72 | U274 | | , , , 9 | Choc |
| | 6720 | 6541.77 | H | هم. | 1 | 10,500 | 64% | 80°F |
| | - | TANK PRESSUR | PLANT | CE OF SHI | | | GEISMAR | |
| 155.76 BHS. DATE DATE O. TRALER MD. CANAGE CANAGE O. TRALER MD. CANAGE O. TRALER MD | | BEFORE LOADING | a contract Freight Courrier is in a state | ct carrier; or classification a common or where bills | (b) the terms of in effect at time carrier; provided | applicable bill on the control of th | between shipper and of lading from describe applements thereto or an intrastate shipment ascribed, this shipment | d in National Motor reissues thereof, if by common carrier |
| 87620 30 CALINSTRUCTIONS | agion | ETHYL MERCAPT | TAN . | T | 2, ** | <u>.44</u> Bh 1,5 74 | CC NO. | |
| LEAKS | | INITIAL | C.C.S. | | | <u> </u> | | |
| PR Don Aurolas RECEI | VING DRIVER | 2 | | CDOCC) | NT. | <u> </u> | . : | |
| rier certifies that the cargo tank supplied for this shipment is a proper or ad by the shipper. This is to certify that the above named materials are and are in proper condition for transportation, according to the applicat | properly classified a | locochod poekaned mad. | | GROSS V | 789 | 100 | tions of applic | ection 7 of Condi- able bill of lading, is to be delivered |
| Dreyfus Olefins LLC SHIPPER | Don An | ما | | TARE WT | ∜ Ω | | to the cosigned on the consign shall sign the | without recourse for, the consignor following state- ier shall not make |
| /ED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON TH | E DATE OF ISSUAN | CE HEREOF. | | | 42 | 000 | delivery of this payment of fre | shipment without ight and all other |
| ER PER | Miller | 17,000 | | NET WT. | | · · · · · · · · · · · · · · · · · · · | lawful charge: | s. Louis Dreylus ns LLC. |
| IVED AT DESTINATION | -MLZKEW | -ixix | | - | • | | Per | |
| AR PLANT | INI CAS | SE OF EMERGENCY | CALLC | amiraz (BO | 3640 | <u> </u> | | |

FAYLOR PROPANE GAS, INC.

20. BOX 438 Vinnsboro, TX 75494 103-342-1300

DOT# 236068 ICC # MC 241655

EMERGENCY CONTACT CHEMTREC 1-800-424-9300

| | 10:: 10 | | - I Blanck and in | - (Tax | | | | | 1 200 | | | | |
|--------------------------|--------------------------|---------------------|-------------------|--|--------------|--------------|--------------|--------------|------------------------------|-------------|---------------------|-----------------|--|
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| 5-1-07 | Destination (Co | Dischou | 10-7 | Plant Location/Town | | | | | | | | | |
| | | ompany Name) | 1 | Freight Charges To: Speci | | | | | Delivered To The Account Of | | | | |
| uck # | TAS/07 | | Freight Chare | 1820 6 | -CI - | | | Consist | Instructions | 10 | | | |
| | , | | i Freight Char. | F/S 10. | | | | i otema | a (2017)Cakata | | | • | |
| Zoal / Vater Capacity | Percent Loade | d Gross Gallons | Temperature F | Vapor Pre | ssure | Specific | Gravity | Vol. Correct | ion Factor | Net Gallo | ons at 60° F | | |
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| mmodity | 1 | 1 30 10 0 | <u> </u> | | Liqu | efied Petro | leum Gas | NONCOR | | | 2.1 | UN 1075 | |
| | | | | <u> </u> | Natu | ıral Gasolin | e | | | | 3. | UN 1203, PG. II | |
| :kup :ket | | | | | Petro | oleum Crud | le Oil | | | | 3. | UN 1267, Pg. II | |
| imber 04 | 1546 | <u> </u> | | | ч | oleum Disti | | | | | 3. | UN 1206 | |
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| TOTAL: | | | | | _ | | | | | | | | |

Gulf Liquids New River Project, LLC Geismar site

Gasoline Vial 1 5/1/2007 10:50:25 AM

C:\HPCHEM\2\METHODS\1GASO.M C:\HPCHEM\2\DATA\SIG11680.D

Sample log number:GE070429002

Specific gravity (60:60):

13.72

Vapor pressure (psi):

| | # | Ret.Time | Area | Compound Name | Wt.8 |
|---|---------|----------------|-----------------------|--------------------------------|-------------------|
| _ | 1 | 0.000 | 0.000 | IsoButane | 0.0000 |
| | 2 | 0.000 | 0.000 | t-2-Butane | 0.0000 |
| | 3 | 4.484 | 1121.988 | n-Butane | 0.7496 |
| | 4 | 4.777 | 424.942 | 1-Butane | 0.2839 |
| | 5 | 5.090 | 526.848 | IsoButane | 0.3520 |
| | 6 | 6.151 | 2134.170 | c-2-Butane | 1.4259 |
| | 7 | 6.873 | 38259.164 | Isopentane | 25.5614 |
| | 8 | 7.349 | 5790.067 | 1-Pentene | 3.8684 |
| | 9 | 7.545 | 5386.570 | 2-methyl-1-butene | 3.5988 |
| | 10 | 7.678 | 24990.883 | n-Pentane | 16.6967 |
| | 11 | 12.443 | 71041.039 | Hexanes Plus | 47.4633 |
| | 9 10 | 7.545 7.678 | 5386.570 24990.883 | 2-methyl-1-butene n-Pentane | 3.5988 16.6967 |

54 55

| | • | | | |
|------|--|-----------|---------|---------|
| | | • | | |
| | | | | |
| | | | 7 | M D |
| # | Compound Name | wt ppm | Area | Meas. R |
| | , | | 0.000 | 0 000 |
| 7 | All the second s | 0.000 | 0,000 | |
| 2 | carbonyl sulfide | 0.0000 | | 0.000 |
| 3 | methyl mercaptan | 3.6745 | | 1.980 |
| 4 | ethyl mercaptan | 1517.9491 | | 3.162 |
| 5 . | diMethyl sulfide | 608.1627 | | 3.500 |
| 6 | • | | 2.226e3 | |
| 7 | | | 3.779e5 | 4.341 |
| 8 | · | | 1.853e3 | 5.193 |
| 9 | | | 2.190e3 | 5.298 |
| 10 | | | 2.870e5 | 5.636 |
| 11 | ${\tt ethylmethylsulfide}$ | 382.8779 | | 5.786 |
| 12 | Thiophene | 3087.5302 | 4.505e5 | · 7.188 |
| 13 | | 0.0000 | 3.963e4 | 7.460 |
| 14 | diEthyl sulfide | 43.9497 | 3.133e3 | 8.026 |
| 15 | · - | 0.0000 | 5.231e4 | 8.339 |
| 16 | nbutyl mercaptan | 9.7145 | 1.092e3 | 8.478 |
| . 17 | Dimethyldisulfide | 553.2352 | 5.774e4 | 9.075 |
| 18 | | 0.0000 | 1.293e4 | 9.429 |
| 19 | | 0.0000 | 2.163e4 | 9.589 |
| 20 | | 0.0000 | 3.267e5 | 9.828 |
| 21 | 2-methyl-1-butanethiol | 2404.2497 | 2.542e5 | 9.990 |
| 22 | 3-methyl-1-butanethiol | 68.7110 | 7.179e3 | 10.205 |
| 23 | • | 0.0000 | 1.098e3 | 10.362 |
| 24 | | 0.0000 | 2.440e4 | 10.585 |
| 25 | 1-pentanethiol | 182.0872 | 1.243e4 | 10.832 |
| 26 | | 0.0000 | 3.845e4 | 11.243 |
| 27 | · | 0.0000 | 1.737e3 | 11.441 |
| 28 | | 0.0000 | 4.804e4 | 11.601 |
| 29 | | 0.0000 | 1.053e5 | 11.972 |
| 3 0 | | 0.0000 | 1.150e5 | 12.074 |
| 31 | | 0.0000 | 1.769e5 | 12.233 |
| 32 | : | | 1.649e5 | 12.482 |
| 33 | | | 3.570e4 | 12.804 |
| 34 | | | 5.506e3 | 12.914 |
| 3.5 | ditertbutylsulfide | 189.6507 | 5.742e3 | 13.001 |
| 36 | areer aracy rounting | | 2.695e4 | 13.105 |
| 37 | Diethyldisulfide | 287.0956 | | 13.268 |
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| 43 | diisobutylsulfide | 107.4698 | | 14.681 |
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| 47 | | | 6.266e3 | 15.586 |
| 48 | • | | 1.800e3 | 15.882 |
| 49 | 31.3 | , | 2.264e3 | 16.136 |
| 50 | dinbutylsulfide | 0.0000 | 0.000 | 0.000 |
| 51 | | | 9.379e3 | 16.503 |
| 52 | | | 4.115e4 | 16.624 |
| 53 | DiPropyldisulfide | 1122.2824 | | 16.717 |
| 54 | The state of the s | 0.0000 | 877.551 | 16.957 |

0.0000 3.714e4

17.124

| 56 | ~ | |
|---|--------------------|---------|
| 57 | | 7.214 |
| 58 | | 7.428 |
| | | 7.697 |
| 59 60 | | .929 |
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| 62 | | . 440 |
| 63 | 0.0000 9.311e3 18 | .592 |
| 64 | 0.0000 3.917e3 18 | .933 . |
| 65 | 0.0000 4.474e3 19 | .081 |
| 66 | 0.0000 5.022e3 19 | .218 |
| 67 | 0.0000 7.845e3 19 | .670 |
| 68 | 0.0000 7.325e3 20 | . 292 |
| 69 | 0.0000 2.551e3, 20 | . 692 - |
| 70 | | . 034 |
| 71 Dibutyldisulfide | | .000 |
| 72 | | .891 |
| Total known sulfur cmpds | | |
| ======================================= | 11551.1705 | |
| | | |
| Total Known Sulfur: | 3742.830 | |
| Total Unknown Sulfur Compounds: | 4464.856 | |
| Total Unknown Sulfur: | 1974.811 | |
| Total Sulfur: | 5717.640 | • |
| | | |

Timothy Beary

Duis Dreyfus Olefins LLC 16 Highway 75, mar, LA. 70734 (COL. 1)

(COL. 1)

tank truck order direct manifest (COLS 17-23) bill of lading

No.04577

| Sottson MO. DAY YR. 150 | NSIGNED TO: (COLS. 2-10) | | | | T | LOA | DING TIN | 1E | | CUST. ORDER NO | |
|--|---|------------------------|---------------|---|------------|------------------|-----------------|-----------|------------------|--------------------------------------|---|
| DESCRIPTION GROSS NET GALLONS SOL VALUE DESCRIPTION GROSS NET GALLONS SOL VALUE DESCRIPTION GROSS NET GALLONS SOL VALUE FOR MICH. JUNE FROM VALUE JU | | | | | <u> </u> | , | | | YR. | . OHDER NO | , . |
| DESCRIPTION ORGAN ORG | 301130/1 | | | | (cot | S 11-16) | 65 | 04 | 07 | LDGAS0 | 014577 |
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| CALLONS DOGS THE MODERN GAS, 21, UR 1075 (DOLICOROSSY) LIGUEFED PETROLEAN GAS, 21, UR 1075 (DOLICOROSSY) LIGUEFED PETROLEAN GAS, 21, UR 1075 (DOLICOROSSY) LIGUEFED MIX PROPYLENE PROP | isban La. | | | | SHIP | □P.P.D | | | DL. | THRU | |
| JEPG MIX PROPYLENE PHOPANE DUTANE | DESCRIPTION | | | | ≺ | VAPOR | GRAV | ITY | | | ADJUSTMENT |
| PROPYLENE PROPYLENE PROPANE BUTAME Minimitate Liquids (Natural Statement) Salvation III of the Control of | | | | | NO. | PRESSURE | - | | GALLON | LOADED | TEMP, FACI, |
| PROPYLENE PROPANE BUTAME Definition by Liquets (Natural Society), n.c., 3, UN 1993, PG1, 10, 10 (Benzam) IQ, SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II TANK PHESSURE PROPANE TANK PHESSURE PROPANE SOURCE OF SHEMENT PHESSURE PROPANE TO A 17, 200, 10 to contract between stripper and certain, 8 carrier 3 contract between stripper and certain, 8 carrier 3 contract by 10 to town 4 applicable bill of belong home deschool of holison blanks and personal specific proded bill, and in liquidate bill of belong home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and personal certain in a state where the first barding home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison blanks and home deschool of holison | LIQUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORROSE | .€) | | • | | | | | | · | |
| BUTANE | LPG MIX | | | | | | | | | | |
| BUTANE BUTANE BU | PROPYLENE | | | - | | | | | | | |
| BUTANE BUTANE BU | PROPANE | | | | | | | | | | |
| Definable Liquids (Natural Jacoline), n.o.s., 3, UN 1993, PG 1, UG (Bentana) IQ (Bent | PROPARE | | İ | | ļ | | | | | | |
| Definable Liquids (Natural Jacoline), n.o.s., 3, UN 1993, PG 1, UG (Bentana) IQ (Bent | BUTANE | | | | | , | \$ | | | | |
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| TANK PRESSURE THAT OR LOCATION SUPPER SUPPER This slipment shall be governed by (a) the contract between shipper and carrier, if carrier is COADING TO SUBJECT TO TARIEF S ADDIOR CONTRACT IN EFFECT ON THE DIVE OF ISSURNEY PRESCU. THE DATA COMMENT OF THE DATA COMMENT OF THE CONTRACT IN EFFECT ON THE DATA COMMENT OF THE COMMENT OF THE COMMENT OF THE CONTRACT IN EFFECT ON THE DATA COMMENT OF THE COMM | | | | | · | | | | | | |
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| PRESSURE BEFORE LOADING ANTE ONT ONT | | | | | | | | | | | |
| BEFORE LOADING LOANS LEAKS ENUMBER REPEVING DRIVES INITIAL C.C.S. REPEVING DRIVES REP | | | | TANK | SOURC | OR LOCAT | PMENT | | (| GEISMAR | |
| LOADING a contract carrier; or (b) the terms of applicable bill of lading from described in National Motor Freight Classification in effect at time of shipment, supplements therefor or resissues thereof, if carrier is a common carrier; provided that, if this is an intrastate shipment by common carrier in a state where bills of lading have been legally prescribed, this shipment shall be governed by the terms of applicable bill of lading. ETHYL MERCAPTAN LEAKS ETHYL MERCAPTAN CC NO. Subject to Section 7 of Conditions of this commodity as ed by the shipper. This is to certify that the above named malerials styproperly classified, described, packaged, marked and of the proper condition for transportation, according to the applicable regulations of the Department of Transportation.* TARE WT. TARE WT. Subject to Section 7 of Conditions of applicable bill of lading, it this shipment is to be defivered to the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without pecures on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without pecures on the consignor, the consignor without recourse on the consignor, the consignor without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without pecures on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without pecures on the consignor, the consignor of the shipment shall not make the carrier of the transportation of the carrier provided that the carrier provided that the carrier provided that the shipment is a proper provided that the carrier provided that the carrier provided that the carrier provided that the carrier provided that the carrier provided that the carrier provided that the sale was the carrier provided that the carrier provided that the carrier provided that the carrier provided | | | | BEFORE | | | | by (a) If | ne contract b | etween shipper and c | arrier il carrier is |
| CC NO. LEAKS ENTRUCTIONS LEAKS ENTRUCTIONS LEAKS ENTRUCTIONS LEAKS ENTRUCTIONS ETHYL MERCAPTAN RECEVITING DRIVER And are in proper condition for transportation, according to the applicable regulations of the Department of Transportation. ETHYL MERCAPTAN CC NO. Subject to Section 7 of Conditions of applicable in this shipment is a proper positioner for the transportation of this commodity as ed by the shipper. This is to certify that the above named materials sky properly classified, described, packaged, marked and and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation. FOR SHIPPER VED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE DATE OF ISSUANCE HEREOF. IVED AT DESTINATION IAR PLANT INSURANCE NEED TO THE DATE OF ISSUANCE HEREOF. IVED AT DESTINATION IAR PLANT INSURANCE NEED TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE DATE OF ISSUANCE HEREOF. IVED AT DESTINATION IAR PLANT | DATE DATE | | | LOADING | a contrac | t carrier; or (l | b) the terms | of appl | licable bill of | lading from described | in National Motor |
| by the terms of applicable bill of lading. IAL INSTRUCTIONS ETHYL MERCAPTAN CC NO. ETHYL MERCAPTAN CC NO. ETHYL MERCAPTAN CC NO. Subject to Section 7 of Conditions of applicable to this shipment is a proper of an assignment of the transportation of this commodity as ed by the shipper. This is to certify that the above named malerials atyproperly classified, described, packaged, marked and and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation. TARE WT. TARE WT. TARE WT. Subject to Section 7 of Conditions of applicable in proper conditions of applicable in loading, if this shipment is to be delivered to the cosignee without recourse on the consignor, the consignor, the consignor, the consignor, the consignor, the consignor that of the consignor of t | · | | | 0 | carrier is | a common ca | arrier; provk | ded that | i, if this is an | intrastate shipment by | common carrier |
| LEAKS ETHYLMERCAPTAN CC NO. LEAKS INITIAL C.C.S. ERPLAND REPEVING DRIVER And are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.* TARE WI. Subject to Section 7 of Conditions of Applicable bill of Italiang, if this shipment is to be delivered to the consignor, the consignor, the consignor, the consignor, the consignor, the consignor, the consignor, the consignor, the consignor, the consignor than the order of the shipment without payment of treight and all other consignor. WED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE DATE OF ISSUANCE HEREOF. IVED AT DESTINATION MAR PLANT CC NO. Subject to Section 7 of Conditions of Applicable bill of Italiang, if this shipment is to be delivered to the consignor, the consignor, the consignor, the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of treight and all other carrier shall not make delivery of this shipment without payment of treight and all other carrier shall not make delivery of this shipment without payment of treight and all other carrier shall not make delivery of this shipment without payment of treight and all other carrier shall not make delivery of this shipment without payment of treight and all other carrier shall not make delivery of this shipment without payment of treight and all other carrier shall not make delivery of this shipment without payment of treight and all other carrier shall not make delivery of this shipment without payment of treight and all other carrier shall not make delivery of this shipment is to be delivered to the consignor. NET WI. Per | 27 MARIER NO. 216 CARRIER | cotton | 1 | | by the ter | rns of applica | able bill of ta | ading. | iogaily prose | moca, mac emprisant a | |
| ERPLAND REPORTING DRIVER INITIAL C.C.S. GROSS WT. Subject to Section 7 of Conditions that the cargo tank supplied for this shipment is a proper portainer for the transportation of this commodity as ed by the shipper. This is to certify that the above named malerials are properly classified, described, packaged, marked and a are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.* TARE WT. TARE WT. TARE WT. TARE WT. Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be defivered to the cosignee without recourse on the consignor, the consignor, the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment to the given of this shipment without payment of the given of this shipment without payment delivery of this shipment without payment delivery of this shipment without payment delivery of this shipment without payment delivery of this shipment without payment delivery of this shipment without payment delivery of this shipment without payment delivery of this shipment without payment delivery of this shipment without charges. Louis Dreylus Olelins LLC. Per TARE WT. WED AT DESTINATION TARE WT. Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be defivered to the cosignee without recourse on the consignor, the consignor, the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment delivery of this shipment without payment delivery of this shipment without payment delivery of the consignor and the consignor of the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consignor and the consign | IAL INSTRUCTIONS | [| ETI | L TYL MERCAPT | AN | J | | 21: | | CC NO. | |
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| ed by the shipper. This is to certify that the above named materials dry properly classified, described, packaged, marked and an are in proper condition for transportation, according to the applicable regulations of the Department of Transportation." TARE WT. TARE | trier certifies that the cargo tank supplied for this shipment is a proper of | lainer for the transo | ortation of t | his commodity | 20 | - GHOSS W | 16. | (ii 4j) | | Subject to Se | otico 7 ol Coodi |
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| VED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE DATE OF ISSUANCE HEREOF. JER NETWT. Per Per Part of Issuance HEREOF. NETWT. Payment of freight and all other lawful charges. Louis Dreyfus Olefins LLC. Per Per Per Per Per Per Per Pe | SHIPPER | laust, | 26 | | | 1 / | ~ | 14. | 30 | ment: The cam | er shall not make |
| SIVED AT DESTINATION MAR PLANT OTELINA OTELIN | VED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE | DATE OF ISSUAN | CEHEREC |)F. | | | ىد <i>ت</i> | 10 | UU | payment of frei | ght and all other |
| IAR PLANT | | Varies 7 | tail | le. | | NET-WT. | | | | | |
| <u> </u> | | 7 | | ~~ | | 1 | | | | Per | |
| | IAN FLANI | | 25.05.5 | 100000000000000000000000000000000000000 | O * 1 : | 1 | 4 | 14 | 740 | | |

| ACMUHANUUM or duplicate, covering the property named herein, and is interided | solely for fiking or rec | ord | | | | • | | | | |
|--|--|---|--|--|---|------------------------------|--|--|--|--|
| G O TTSON OIL, INC. | | | Shipper's N | lo · | 54377 | | | | | |
| 2036 EVANGELINE HWY. | | | | .0 | 134 3 4 C 3 | | | | | |
| rrier) JENNINGS, LA 70546 SCA | r) JENNINGS, LA 70546 SCAC. subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shippe | | | | 018454 | | | | | |
| :IVED, subject to individually determined rates or contracts that have been agreed upon in whilished by the carrier and are available to the shipper, on request; and all applicable state and I | lederal regulation | s; | , ii applicable, otherwi | se to the rates, clas | sincations and rules in | ai nave been | | | | |
| Lismon 14 date | , 5- V | 07 | from | | Ore. As | | | | | |
| Properly described below, in apparent good order, except as noted (contents and condition word company being understood throughout this contract as meaning any person or corpor e, or otherwise to deliver to another carrier on the route to said destination. It is mutually agree to another carrier and the contract and the contrac | of contents of paration in possessing the caches to each caches seed as to each caches seed hereunder seed the caches seed the | ckages unknown), on of the property rrier of all or any o hall be subject to | marked, consigned, a under the contract) ag f said Property over a all the conditions not | ind destined as indi grees to carry to de Il or any portion of s | icated below which said divery at said destination said route to destination | on, if on its n and as to | | | | |
| tained, including the conditions on the back hereal, which are hereby agreed to by the shipper (Mail or street address of consignee for purposes of notification only.) | FRO | | | | | | | | | |
| signee 1 AyLot (Toppes | Shipp | er 🗻 💝 | 114 UTG | 601 | 17-145 6 | <u> </u> | | | | |
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| te: | | · · · · · · · · · · · · · · · · · · · | | | E | | | | | |
| vering Carrier | Trailer Ir | nitial/Number | U.S. | DOT Hazma | t Reg. Number | | | | | |
| HM Description of articles, special marks, and exceptions | Hazard Class | | acking *Wei | ght Class or it to rate | Labels require (or exemption) | | | | | |
| Flanmable Liquids | 3 | 1913 | I 192 | 27 BAG | | | | | | |
| NATURAL GASOLINE NOS | | | | | | | | | | |
| Ra (Bedzens) | - | | | | - | | | | | |
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| nit C.O.D. to: ress: : State: Zip: | COD \$ | AMT: | shipment is to be deliving without recourse on consignor shall sign the The carrier shall not shipment without payment without without without without without without without payment without | the consignor, the following statement; make delivery of this | C.O.D.FE Prepaid Collect \$\Begin{align*} \text{Collect} & \Boxed{\text{Signature}} | E: | | | | |
| e the rate is dependent on value, shippers are required to state specifically in writing the agreed or dectared value of the property. I dectared value of the property is hereby I ated by the shipper to be not exceeding | Charges | s Advanced | other lawful charges. (Signature of | consignor) | FREIGHT CH | _ : | | | | |
| iBly Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B), rifly that the above-named materials are properly classified, described, packaged, marked and labeled, and are in airon to wansportation according to the applicable regulations of the Organizerial of Transportation. Per | | 1993 | PLACARDS SUPPLIED | L ILS L | NO - FURNISHED B | Y CARRIER | | | | |
| DIAL INSTRUCTIONS: | | acree | mat mit into | area nu | O ANICACI INC LI | WW | | | | |
| PER: Louis Brayles Oleting LLS | CARRIE | -/ 1 | IGS, LA 705 | 4.0 | AMGELINE H | | | | | |
| DATE: 37-01 | | ENCY RESPO | ONSE (800) | 124-5571 | DATE: | | | | | |

Gulf Liquids New River Project, LLC Geismar site Gasoline Vial 1 5/3/2007 11:03:46 PM

C:\HPCHEM\2\METHODS\1GASO.M C:\HPCHEM\2\DATA\SIG11685.D

Sample log number:GE070429002

Specific gravity (60:60):

.6646

Vapor pressure (psi):

13.78

| # | Ret.Time | Area | Compound Name | Wt.8 |
|---|----------|-----------|-------------------|---------|
| | 1 2.030 | 11.148 | IsoButane | 0.0079 |
| | 2 0.000 | 0.000 | t-2-Butane | 0.0000 |
| | 3 4.482 | 340.866 | n-Butane | 0.2420 |
| | 4 4.775 | 231.126 | 1-Butane | 0.1641 |
| | 5 5.087 | 244.763 | IsoButane | 0.1738 |
| | 6 6.148 | 2397.194 | c-2-Butane | 1.7019 |
| | 7 6.869 | 39629.715 | Isopentane | 28.1348 |
| | 8 7.345 | 5850.163 | 1-Pentene | 4.1533 |
| | 9 7.544 | 5466.293 | 2-methyl-1-butene | 3.8808 |
| 1 | | 23582.904 | n-Pentane | 16.7425 |
| 1 | | 63102.395 | Hexanes Plus | 44.7990 |
| | | | | |

Louis Dreyfus Olefins, LLC Sulfur Analysis 5/3/2007 11:06:52 PM C:\HPCHEM\4\METHODS\SULFGASO.M C:\HPCHEM\4\DATA\SIG19127.D Sample log number:GE070503005

| # | Compound Name | wt | ppm . | Area | Meas. R |
|-----|-----------------------------|----|-----------|-----------------|---------|
| | | | | | |
| 1 | | | 0.0000 | 1.146e3 | 0.081 |
| 2 | hydrogen sulfide | | 0.0000 | 0.000 | 0.000 |
| 3 | <pre>carbonyl sulfide</pre> | | 0.0000 | 0.000 | 0.000 |
| 4 | methyl mercaptan | | 12.7349 | 9 5.312e3 | 1.993 |
| 5 | ethyl mercaptan | | 1695.3997 | 4.314e5 | 3.139 |
| 6 | diMethyl sulfide | | 880.3922 | 9.345e4 | 3.518 |
| . 7 | | | 0.0000 | 4.296e3 | 3.994 |
| 8 . | | | 0.0000 | 4.331e5 | 4.353 |
| 9 | | | 0.0000 | 3.239e3 | 5.213 |
| 10 | | | 0.0000 | 2.996e3 | 5.318 |
| 11 | | | 0.0000 | 3.397e5 | 5.646 |
| 12 | ethylmethylsulfide | | 520.9438 | 4.417e4 | 5.807 |
| 13 | | | 0.0000 | 966.675 | 6.579 |
| 14 | Thiophene | | 3358.3746 | 4.900e5 | 7.195 |
| 15 | | | 0.0000 | 5.302e4 | 7.480 |
| 16 | | | 0.0000 | 948.423 | 7.725 |
| 17 | diEthyl sulfide | | 68.7729 | 4.903e3 | 8.047 |
| 18 | • | | 0.0000 | 7.671e4 | 8.359 |
| 19 | nbutyl mercaptan | | 15.7019 | 1.766e3 | 8.499 |
| 20 | | • | 0.0000 | 954.589 | 8.664 |
| 21 | Dimethyldisulfide | | 1340.3612 | 1.399e5 | 9.095 |
| 22 | | | Q.0000 | 1.507e4 | 9.449 |
| 23 | | | 0.0000 | 2.632e4 | 9.609 |
| 24 | • | | 0.0000 | 3.423e5 | 9.826 |
| 25 | 2-methyl-1-butanethiol | | 2564.8168 | 2.712e5 | 10.010 |
| 26 | 3-methyl-1-butanethiol | | 62.9083 | 6.573e3 | 10.224 |
| 27 | | | 0.0000 | 1.556e3 | 10.382 |
| 28 | | | 0.0000 | 3.147e4 | 10.605 |
| 29 | 1-pentanethiol | | 221.4394 | 1.512e4 | 10.851 |
| 30 | | | 0.0000 | 1.038e5 | 11.262 |
| 31 | | | 0.0000 | 2.676e3 | 11.461 |
| 32 | | | | 5.790e4 | 11.621 |
| 33 | | | 0.0000 | 1.316e5 | 11.991 |
| 34. | • | | 0.0000 | 1.452e5 | 12.093 |
| 35 | | | 0.0000 | 2.193e5 | 12.251 |
| 36 | | • | 0.0000 | 2.217e5 | 12.501 |
| 37 | • | | 0.0000 | 4.857e4 | 12.823 |
| 38 | | | 0.0000 | 8.061e3 | 12.932 |
| 39 | ditertbutylsulfide | | 282.3866 | 8.550e3 | 13.019 |
| 40 | Diethyldisulfide | | 979.3051 | 5.288 e4 | 13.141 |
| 41 | | | 0.0000 | 3.129e4 | 13.347 |
| 42 | | | 0.0000 | 2.959e3 | 13.523 |
| 43 | | | 0.0000 | 4.430e3 | 13.686 |
| 44 | | | 0.0000 | 9.453e4 | 13.982 |
| 45 | | | 0.0000 | 7.526e4 | 14.219 |
| 46 | disecbutylsulfide | | 1072.1909 | 5.850e4 | 14.427 |
| 47 | diisobutylsulfide | | | 1.251e4 | 14.679 |
| 48 | • | | 0.0000 | 3.915e4 | 15.021 |
| 49 | | | | 8.669e4 | 15.268 |
| 50 | | | | 1.376e5 | 15.482 |
| 51 | | | 0.0000 | | 15.604 |
| 52 | | | 0.0000 | | 15.979 |
| 53 | | | 0.0000 | | 16.158 |
| 54 | dinbutylsulfide | | 0.0000 | 0.000 | 0.000 |
| 55 | | | 0.0000 | | 16.520 |
| | | | | | |

| | # | Compound Name | wt ppm | Area | Meas. R | |
|------|-----------------|----------------------|------------|-------------------|---------|---|
| ŕ | 56 | | 0.0000 | 5.861e4 | 16.642 | · |
| | 57 | DiPropyldisulfide | 1841.1776 | 5.692e4 | 16.735 | |
| | 58 | - 7 | 0.0000 | 1.317e3 | 16.979 | • |
| | 59 | | 0.0000 | 7.517e4 | 17.143 | • |
| | 60 | | 0.0000 | 1.979e4 | 17.448 | · |
| | 61 | | 0.0000 | 5.086e3 | 17.721 | |
| | 62 | | | 2.754e3 | 17.840 | |
| | 63 | | 0.0000 | 5.115e3 | 17.950 | • |
| | 64 _. | | 0.0000 | 2.926e4 | 18.136 | |
| | 65 | | 0.0000 | 6.454e3 | 18.322 | • |
| | 66 | | 0.0000 | 2.473e4 | 18.464 | |
| | 67 | | 0.0000 | 1.345e4 | 18.617 | |
| | 68 | | 0.0000 | 5.952e3 | 18.960 | |
| | 69 | | 0.0000 | 5.981e3 | 19.106 | - |
| | 70 . | | 0.0000 | 6.544e3 | 19.245 | |
| | 71 | | 0.0000 | 1.196e4 | 19.702 | • |
| | 72 | | 0.0000 | 1.078e4 | 20.320 | |
| | 73 | | 0.0000 | 3.719e3 | 20.723 | |
| | 74 | | 0.0000 | 2.769e3 | 21.063 | |
| | 75 | Dibutyldisulfide | 0.0000 | 0.000 | 0.000 | |
| | 76 | | 0.0000 | 2.909e3 | 21.937 | |
| | 77 | | 0.0000 | 1.824e3 | 22.346 | |
| _ | Total | known sulfur cmpds | | . - | | |
| | | | 15184.4851 | | | |
| | ======= | | | : === ==== | | |
| Tota | l Known | Sulfur: | | 5434.17 | 4 . | |
| | | vn Sulfur Compounds: | | 5610.52 | | |
| | · · · | m Sulfur: | | 2483.51 | | • |
| Tota | l Sulfur | T: | | 7917.68 | 6 | |
| | | | | | | |

TIS Dreyfus Olefins LLC Highway 75 nar, LA, 70734 (COL. 1)

(COL. 1) 4

tank truck order direct manifest [ICOLS 17:23] bill of lading

No.04635

| · | | | | | | | | · | | · |
|--|-------------------------|--------------|-------------------|---------------------------------------|--|--|--|--------------------------------|--|--|
| VSIGNED TO: (COLS. 2-10) | | | | - | LOA | DING TIME | Y YA. | CUST. OR | DER NO. | |
| | | | - | (COLS. | . 11-15) | 59 | 07 | 1 /2/ | (54 | 635 |
| | | | | STARTED | 4:4 | 7 7 | | | EAL NU | |
| | | | | FINISHED | 5:0 | H) 1 | \mathcal{M} | FROM | | |
| Addre Donone | isbon l | A. | | SHIP | □P.P.D | | COL. | THRU | | |
| DESCRIPTION | GROSS | | SALLONS | TANK | VAPOR | GRAVITY | CAPACI GALLON | | RCENT ADED | ADJUSTMENT |
| <u></u> | GALLONS | 100 | LS 40-46) | NO. | PRESSURE | | GALLON | | | TEMP, FACI. |
| IQUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORRO | OSIVE) | | | | · | | | | | |
| LPG MIX | | | | | | | | | | |
| PROPYLENE | | | | | | | | | • | |
| PROPANE | · | | | | | | ļ | | | |
| BUTANE | | | | | | | | | | |
| | · | | | | | | | | | |
| lammable Liquids (Naturał iasoline), n.o.s., 3, UN 1993, PG I, :Q (Benzene) | | | | | | | | | | |
| Q, SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG I | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | - | | | | | | | | 0/ | - 0 |
| | 7280 | 680 | 7.26 | A | 13.58 | .lde78 | 10,400 |) 70 |) ^{lo} . | 82 |
| | | | | | | | | | | |
| | | | TANK | DIANT | CE OF SHI | | | GEISI | MAR | |
| | | | PRESSUR BEFORE | | | | (a) the contract | between shi | pper and ca | arrier, il carrier is |
| A OATE OATE NO. 1 CAS TRAKER NO. CAS A CASE | | | LOADING 120 | Freight C carrier is in a state | Classification a common of where bills | in effect at time carrier; provided of lading have t | of shipment, s that, if this is a been legally pre | supplements an intrastate s | thereto or r shipment by | in National Motor eissues thereol, if y common carrier hall be governed |
| TAL INSTRUCTIONS | Gottson | | TYL MERCAP | | rms of applic | able bill of ladir |)g. | ICC N | 1O. | <u></u> |
| • | • | | | | 1 | • | | | | |
| LEAKS V | | INIT | IAL | C.C.S. | | | | | | |
| PER A RE | CEIVING DRIVER | | - | | GROSS V | WT. | · : | - | | |
| urier certifies that the cargo tank supplied for this shipment is a proper sed by the shipper. This is to certify that the above named materials 1, and are in proper condition for transportation, according to the app | are properly classified | described, p | ackaged, mar | ked and | - | 79 | ow | tion if this to th | s of applica s shipment e cosignee | ection 7 of Condi- able bill of fading, is to be delivered without recourse |
| s Dreyfus Olefins LLC SHIPPER | A 1. | _ _ () _ | | | TARE W | ! | | sh men | all sign the The carri | or, the consignor following state- ier shall not make |
| IVED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON | THE DATE OF ISSUA | NCE HEREC | OF. | | - | 41 | 100 | ραγ | ment of Irei | shipment without ight and all other |
| HER JOHSON XPE | , / | M | | | NET WT. | | | law | | Louis Dreylus ns LLC |
| EIVED AT DESTINATION MAR PLANT | | | , | |] | 37 | 900 | Per_ | | |

AYLOR PROPANE GAS, INC.

O. BOX 438 /innsboro, TX 75494)3-342-1300

DOT# 236068 ICC # MC 241655

EMERGENCY CONTACT CHEMTREC 1-800-424-9300

| | | | : | | | | | | | | | | |
|---|-------------------------|---|--|-------------|---------------|--------------------|----------|--------------|------------------------------|-------------------------|--|---------------------------------------|--|
| kup Dale | Origin (Compa | ny Name) | Plant Locatio | n/Town | | , | | | Picked Up For The Account Of | | | | |
| 9/07 | Louis | Drey Fus | ی بیسی | L- 61 2 | | 64 | | | 166 | | | | |
| livery Date | Destination (Co | ompany Name) | Plant Locatio | | | J | | | Delivered To The Account Of | | | | |
| 9/07 | Lish. | n Cus | Lis. | bon | L | 4 | | | 16 | <u> </u> | | | |
| 1. " | T | | Cyclote Char | noc You | | | | Shanial | Instructions | | | | |
| 82 | 889 | 74 | | | | | | | | | | | |
| ater Capacity | Percent Loade | d Gross Gallons | Temperature F | Vapor | Press | ure Specific C | iravity | Vol. Correct | ion Factor | Net Gallons Received | s at 60° F | · · · · · · · · · · · · · · · · · · · | |
| 1400 | 70 | 7280 | 82 | 0 | | | | | | · icceived | | | |
| | · , | | | | | Liguelied Petrole | | | | | | JN 1075 | |
| No | <u>Hural</u> 046 | Cas | | | المحو | Natural Gasoline | n. | 0.3. | 3, UN | 1993 | 10/A | JN-1203, PG. 11 | |
| kup ket | 0.00 | 3,- | | | | Petroleum Crude | | · | <u> </u> | | 3. | JN 1267, Pg. II | |
| mber | 046 | · 5 S | | | | Petroleum Distilla | | | | | | JN 1206 | |
| ME AND ARE E REGULATIO | IN PROPER C | ABOVE ARTICLES ONDITION FOR TE ED BY THE INTERS | RANSPORTATION A STATE COMMERCE | ACÇORDI | NG I | o · | HE ABU | | EUPROPER | TIT IN GOOL | | XCEPTAS NOTED. | |
| | IEKH | J 00 10 | | | Shipp | er Receiver | | | | <u>.</u> | Da | ile | |
| | | ARIFFS IN EFFECT | i · | | | | | | elivery | | | | |
| | NCE HEREOF OR PROPAN | E GAS, INC. | Gross | bs | | | | G | iross lbs | | | | |
| ne Ti | Driv | er#1 | Tare lb | s | . | | | T | are lbs | | | | |
| no Mashice | 9 Suisi | <u>∧ 1/7 (</u> er#2 | Net lbs | i | | | _ | N | et lbs. | | · | | |
| ading | Started Loadin | g C | Completed Loading | | Hours | To Load | Reaso | n For Delay | | | | | |
| ormation | | | | | | | | | | | | Ì | |
| ading | Started Unload | ina | Completed Unloadin | | Hours | To Unload | Reaso | n For Delay | | | - <u>- </u> | | |
| ormation | Started Officad | ""9" | Joinpreted Grieden | * | | | | , | | | | | |
| | | onso | NA FUEL DURCH | ACCC | | | | | | TOT | AL HOURS P/F | | |
| IKR | /OICE | SPEC | CIAL FUEL PURCH | ASES | HUI | В | | | T - | | | l | |
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| unice | LA | | | | | LA | | i ja võe | | | | | |
| -ishav | LA | 18350 | | | | TX | | | | 14 | | 1 | |
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| | , | | | | | TOTAL | 1 | | 1 | | | | |
| · | | | | | | | <u> </u> | r 11: | 1- | / 7 | DO PM | | |
| | | | | | | REMARKS | 201 | Her | < 97 | ې ر | 79 1 700 | | |
| TOTAL | | • | | | ! | Teff o | 77 | | | | | <u> </u> | |

Gulf Liquids New River Project, LLC Geismar site Gasoline Vial 1 5/8/2007 6:45:40 PM C:\HPCHEM\2\METHODS\1GASO.M

C:\HPCHEM\2\DATA\SIG11690.D Sample log number: GE070508003

Specific gravity (60:60):

13,58

1450 A

Vapor pressure (psi):

| # - | Ret.Time | Area | Compound Name | ₩t.% |
|---|--|---|--|--|
| 1 2 3 4 5 6 7 8 9 | 0.000 0.000 4.482 4.775 5.087 6.147 6.872 7.346 7.543 7.676 | 0.000 0.000 312.651 204.585 202.985 1727.425 31632.660 4808.405 4224.933 20750.004 | IsoButane t-2-Butane n-Butane 1-Butane IsoButane c-2-Butane Isopentane I-Pentene 2-methyl-1-butene n-Pentane | 0.0000 0.0000 0.2550 0.1668 0.1655 1.4087 25.7953 3.9211 3.4453 16.9209 |
| 11 | 12.443 | 58765.914 | Hexanes Plus | 47.9215 |

Louis Dreyfus Olefins, LLC Sulfur Analysis 5/8/2007 7:30:03 PM C:\HPCHEM\4\METHODS\SULFGASO.M C:\HPCHEM\4\DATA\SIG19153.D Sample log number:GE070508003

| • | • | | | | | |
|-----|---------------------------------------|-----|-------|--------|---------|----------------|
| # | Compound Name | wt | ppm | | Area | Meas. R |
| | hyprogram guitado | | | . 0000 | Ú. UUÚ | 0.000 |
| 1 | hydrogen sulfide | | | .0000 | | 0.000 |
| 2 | carbonyl sulfide | | | | 3.530e3 | 1.990 |
| 3 | methyl mercaptan | | | | 4.168e5 | 3.139 |
| 4 | ethyl mercaptan | | | | | |
| . 5 | diMethyl sulfide | | | | 8.695e4 | 3.516 |
| 6 | | • | | | 2.835e3 | 3.991 4.394 |
| 7 | | | | | 4.219e5 | |
| 8 | • | • | | | 3.087e3 | 5.209 |
| 9 | | | | | 3.050e3 | 5.314 |
| 10 | | | | | 3.310e5 | 5.662 |
| 11 | ethylmethylsulfide | | | | 4.335e4 | 5.802 |
| 12 | | | | | 749.626 | 6.576 |
| 13 | Thiophene | | | | 4.856e5 | 7.192 |
| 14 | | | | | 5.137e4 | 7.475 |
| 15 | | | | | 977.901 | 7.720 |
| 16 | diEthyl sulfide | | | | 4.696e3 | 8.042 |
| 17 | | | | | 7.214e4 | 8.354 |
| 18 | nbutyl mercaptan | | | | 1.537e3 | 8.495 |
| 19 | | | 0. | 0000 | 858.628 | 8.661 |
| 20 | Dimethyldisulfide | | | | 1.104e5 | 9.091 |
| 21 | • | | | | 1.317e4 | 9.445 |
| 22 | | | 0. | 0000 | 2.371e4 | 9.604 |
| 23 | | | 0. | 0000 | 3.363e5 | 9.844 |
| 24 | 2-methyl-1-butanethiol | | 2534. | 7933 | 2.681e5 | 10.006 |
| 25 | 3-methyl-1-butanethiol | | 69. | 1318 | 7.223e3 | 10.221 |
| 26 | - | | 0. | 0000 | 1.251e3 | 10.378 |
| 27 | | | 0. | 0000 | 3.025e4 | 10.600 |
| 28 | 1-pentanethiol | | 198. | 5223 | 1.356e4 | 10.847 |
| 29 | | | | | 429.027 | 11.100 |
| 30 | | | | | 1.060e5 | 11.258 |
| 31 | | | | | 2.314e3 | 11.457 |
| 32 | | | | | 5.031e4 | 11.617 |
| 33 | | | | | 1.139e5 | 11.987 |
| 34 | | | | | 1.249e5 | 12.089 |
| 35 | · . | 1.5 | | | 1.849e5 | 12.247 |
| 36 | · | | | | 1.953e5 | 12.497 |
| 37 | | | | | 4.204e4 | 12.819 |
| 38 | | | | | 7.048e3 | 12.930 |
| | ditertbutylsulfide | | | | 7.431e3 | 13.017 |
| 39 | | | | | 6.550e4 | 13.140 |
| 40 | Diethyldisulfide | | | | 2.893e4 | |
| 41 | • | | | | | 13.343 |
| 42 | | | | | 1.405e3 | 13.519 |
| 43 | · · · · · · · · · · · · · · · · · · · | • | | | 1.742e3 | 13.683 |
| 44 | | | | | 1.677e3 | 13.817 |
| 45 | | | | | 7.723e4 | 13.979 |
| 46 | | | | | 5.729e4 | 14.220 |
| 47 | disecbutylsulfide | | | | 4.657e4 | 14.425 |
| 48 | diisobutylsulfide | | | | 1.178e4 | 14.674 |
| 49 | | | | | 3.822e4 | 15.017 |
| 50 | | | | | 8.630e4 | 15.266 |
| 51 | | | 0. | 0000 | 1.350e5 | 15.479 |
| 52 | | | 0. | 0000 | 2.639e4 | 15.602 |
| 53 | | | | | 5.919e3 | 15.977 |
| 54 | | | | | 5.449e3 | 16.156 |
| 55 | dinbutylsulfide | | | 0000 | 0.000 | 0.000 |
| | • | | | | | |

| . 56 | • | 0.0000 1. | | |
|---------------|---|--------------|---|-----|
| 57 | | 0.0000 5. | .388e4 16.64 | 0 |
| 58. | DiPropyldisulfide | 1795.2543 5. | .550e4 16.73 | 3 |
| 59 | | 0.0000 1. | .214e3 16.97 | 7 . |
| 60 | | 0.0000 8. | .145e4 17.14 | 0 |
| 61 | | 0.0000 1. | .717e4 17.44 | 6 |
| 62 | | 0.0000.4. | .521e3 17.71 | 7 |
| 63 | | 0.0000 2. | 825e3 17.84 | 0 |
| . 64 | | 0.0000 4. | | |
| 65 | | 0.0000 2. | 623e4 18.13 | 4 |
| 66 | • | 0.0000 5. | | |
| 67 | | 0.0000 2. | 110e4 18.46 | 3 |
| 68 | · | 0.0000 1. | 101e4 18.61 | 7 |
| 69 | | 0.0000 4. | 486e3 18.95 | 8 _ |
| 70 | | 0.0000 4. | 970e3 19,10: | 5 |
| 71 | | 0.0000 5. | 011e3 19.24 | 3 . |
| 72 | | 0.0000 9. | 863e3 19.70 | 1 |
| . 73 | | 0.0000 2. | 886e3 20.14° | 7 . |
| 74 | | 0.0000 4. | 767e3 20.32 | 0 |
| 75 | | 0.0000 2. | 710e3 20.70 | 4 |
| 76 | | 0.0000 2. | 376e3 21.06 | 3 |
| 77 | Dibutyldisulfide | 0.0000 | 0.000 0.000 | 0 |
| 78 | | 0.0000 1. | 692e3 22.343 | 2 |
| | known sulfur cmpds | | | _ |
| 1004 | XXX III Dalla Tare | 14604.0841 | | |
| ============= | ======================================= | | ======================================= | |
| | Culfur. | 5 | 203.755 | |
| Total Known | n Sulfur Compounds: | | 246.418 | |
| | | | 328.284 | |
| Total Unknow | | | 532.039 | |
| Total Sulfur | • | • | | |

Dreyfus Olefins LLC

tank truck order direct manifest (COLS 17:23) bill of lading

No.04703

| | <u> </u> | | | | | | | | | |
|---|------------------------|--------------|-------------------------|-------------|-----------------|-------------|-------------|-------------------|---------------------------------------|--|
| NSIGNED TO: (COLS. 2-10) | | | | - | LOA | DING TI | ME DAY | YR. | CUST. ORDER | NO. |
| Taylor Lisbon LA. | | | | (COLS | 5 11-16) | 05 | 15 | | 17 GAG | 0 04703 |
| | | | | STARTE |) | 20. | <u> </u> | 27 | | NUMBERS |
| | | | | FINISHE | D | 253 | pn | | FROM | |
| Lisbon LA. | | | | SHIP | □P.P.D | | * | | THAU | |
| DESCRIPTION | GROSS GALLONS | | GALLONS COLS. 40-46) | TANK NO. | UPG VAPOR | GRAV | | CAPACIT GALLON | | |
| | GALLEOING | <u> </u> | | 100. | PAESSURE | | | GALLON | IS LOADE | D TEMP. FACT. |
| IQUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORROSI | vE) | | | | | | İ | | | |
| \cdot_{\cdot} | | | | ĺ | ĺ | | | |] | |
| LPG MIX | | | | | | | | | | |
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| PROPYLENE | | | | | | } | | | | |
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| PROPANE | | | | | | | | | | |
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| BUTANE | | | | • | ! | | | | | |
| | | - | | | | | | | | |
| | | | | | | |]. | | | |
| ammable Liquids (Natural asoline), n.o.s., 3, UN 1993, PG I, | | | | | | | | | İ | |
| Q (Benzene) | | | | | | | | | | |
| O, SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II | | | | | | | - 1 | | | |
| a, 30010M7110H0XIDE 30E0110N, 6, 0N 1824, PG II | | | ; | | | | | | | |
| • | | | | | | | | | | |
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| | | | | | j | | | | | |
| | | | | | | _ | Λ | | | |
| | 1560 | 120 | 4.50 | В | 14:33 . | 1000 | | 34 | 90% | 70°F |
| | 17560 | 1727 | y.30 | V | 110 | • — | كلت | 3400 | 70/0 | 70 0 |
| | | | | | | | | | | |
| | · | | T | ISOURC | E OF SHIF | MENT | | | OFICIAL | - |
| | | | TANK PRESSURE | PLANT | OR LOCAT | ION | | | GEISMAI | ₹ |
| 173.68 BLLs. | | | BEFORE LOADING | This ships | ment shall be | governed | | | | nd carrier, il carrier is bed in National Molor |
| DATE | | , | 0 | Freight Cl | lassification i | n effect at | time of | shipment, su | pplements thereto | or reissues thereof, if of by common carrier |
| D. TRAILER NO. CARRIER | | | 0 | in a state | | lading ha | ve bee | n legally pres | | nt shall be governed |
| 502 33 70 | aylor | | | | | | iading. | | · · · · · · · · · · · · · · · · · · · | |
| 12 143 1100 11043 | / | | HYL MERCAPT | AN | | | 7.4 | | CC NO. | |
| _EAKS | | | | | | | | | | |
| B.O. O. A. IRECEN | ING DBIVEB | · INF | rial | C.C.S. | _ | | | y | | |
| Non Hubras | 1. 1/ Cu | ulu | xi Z | | GROSS W | | 0/ | - 0 | | |
| ier certifies that the cargo tank supplied for this shipment is a proper of d by the shipper. This is to defitify that the above named materials are in | properly classified, o | lescribed, r | packaged marke | ed and |] . | 6 | 960 | 2 0 | | o Section 7 of Condi- blicable bill of lading, |
| and are in proper condition for transportation, according to the applicable | e regulations of the | Departmen | it of Transportati | on." | | | | | if this shipm | ent is to be delivered nee without recourse |
| Dreyfus Olefins LLC | . ^ | , | | | TARE WT. | | - 1-11 | | on the cons | signor, the consignor the following state- |
| SHIPPER | on Alex | bal | | | | 29 | 34 | Ó | ment: The o | carrier shall not make this shipment without |
| ED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE | DATE OF ISSUAN | CE HEN | F. | | | | | | payment of | freight and all other |
| IR PER 💉 | (1-11/n | 10011 | /// | | NET WT. | | | | | ges. Louis Dreylus lefins LLC. |
| VED AT DESTINATION | 1 | in the sale | | | | LÍ |)26 | 70 | Per | |
| VA PLANT | | | • | |] . | 7 | فاسعر | | 1 | |

AYLOR PROPANE GAS, INC.

Ö. BOX 438 /innsboro, TX 75494 03-342-1300

DOT# 236068 ICC # MC 241655

EMERGENCY CONTACT CHEMTREC 1-800-424-9300

| kup Date | Origin (Comp | pany Name) | Plant | Location/Town | n | | | | Picked U | For The Ac | count Of | |
|---------------------------|---------------------------------------|-------------------------------------|--------------|--------------------------|-----------------------|---------------------------------------|-------------|-------------|-------------|--|-------------|----------------------------|
| 1/1 | 1. | 200 | | 3 27 C | 1. | | | | } | | | |
| livery Date | Destination (| Company Name) | | Location/Town | | | | | Delivered | To The Acco | ount Of | |
| 45 | 45/10 | | | her it | | | | | | l De helyge yang gagan ya 1 d 1884 | | |
| 7:4 | 33 | | - | | | | | 1 | • | | | |
| ater Capacity | | ded Gross Gallon | s Tempera | ature F Var | por Pressur | e Specific | Gravity | Vol. Correc | tion Factor | Net Gallons | at 60° F | |
| | | | | | | | | | | Received | | |
| 400 | | | | | | | | | | | | |
| mmodity | | | | | J | quefied Petroi | | NONCOR | | | 2.1 | UN 1075 |
| 1 45 7 | 1-1-1-C. | | | | | atural Gasolin | | | | | 3. | UN 1203, PG. II |
| kup ket | | | | | | troleum Crud | | | · | | 3. | UN 1267, Pg. II |
| nber | · | IE ABOVE ARTICLE | <u> </u> | | | troleum Distil | | | | ~~~~ | 3. | UN 1206 EXCEPTAS NOTED. |
| ME AND ARE E REGULATIO | IN PROPER | CONDITION FOR T BED BY THE INTER | RANSPORTA | ATION ACCOI MERCE COM | rding to Imission. | Receiver | | | | | · | Date |
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| 1.180 cm | D _{ri} | 2 | | viet lbs | | | | | let ihs | | | |
| ding | Started Loadi | ng | Completed Lo | | Hours To | o Load | Reaso | n For Delay | ict 103 | | | |
| rmation | | | | | | | | | | | | |
| ding mation | Started Unioa | ding | Completed U | nloading | Hours To | Unload | Reaso | n For Delay | · | | | |
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| | VOICE NO. | NAME OF STATION | LOC | ATION | HUB READIN | G GAL | LONS | AMOUNT | | ······································ | CHARGES | · |
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| TOTAL | <u> </u> | | | | | | · . | | | | | |

Gulf Liquids New River Project, LLC Geismar site Gasoline Vial 1 5/15/2007 8:00:23 AM C:\HPCHEM\2\METHODS\1GASO.M C:\HPCHEM\2\DATA\SIG11700.D Sample log number: GE070513002 Specific gravity (60:60): . 6620

GKO B

Vapor pressure (psi): 14.33

| | | | | • | Wt.8 |
|---|----|--------|---------------------|-------------------|---------|
| | | | | Compound Name | |
| | Do | t.Time | Area | | 0.0000 |
| # | не | | | IsoButane | 0 0000 |
| | | 0.000 | 0.000 | t-2-Butane | 0.1310 |
| | 1 | 0.000 | 0.000 | n-Butane | 0.1215 |
| | 2 | 0.000 | 141.222 | 1-Butane | 0.1039 |
| | 3 | 4.487 | $\frac{1}{130.931}$ | IsoButane | 1.5577 |
| , | 4 | 4.775 | 112.021 | c-2-Butane | 29.7666 |
| | 5 | 5.093 | 1678.843 | Tsopentane | 4.1714 |
| | 6 | 6.153 | 32082.105 | 1-pentene | |
| | 7 | 6.876 | 4495.925 | 2-methyl-1-butene | 4.5113 |
| | 8 | 7.350 | 4862.265 | n-Pentane | 16.9816 |
| | 9 | 7.548 | 18302.578 | Hexanes Plus | 42.6549 |
| | 10 | 7.679 | 18302.570 | Hexques | |
| | 11 | 12.443 | 45972.961 | | |
| | TT | | | | |

Louis Dreyfus Olefins, LLC
Sulfur Analysis
5/15/2007 8:00:11 AM
C:\HPCHEM\4\METHODS\SULFGASO.M
C:\HPCHEM\4\DATA\SIG19190.D
Sample log number:GE070515001

| | | | • | |
|----------|------------------------|-----------|-----------------------|-------------|
| | | | 7.400 | Meas. R |
| • | | wt ppm | Area | |
| # | Compound Name | | | n,000 |
| | -ulfide | | 0.000 | |
| 1 | hydrogen sulfide | 0.0000 | 0.000 | |
| 2 | carbonyl sulfide | 4.1804 | 1.744e3 | |
| 3 | methyl mercaptan | 1549.2961 | 3.942e | |
| 4 | ethyl mercaptan | 457 9356 | 4.861e4 | 1 3.300 |
| . 5 | diMethyl sulfide | 0.000 | 3.526e. | 3.970 |
| 6 | | 0.0000 | 3.777e | 5 4.342 |
| . 7 | | ი. იიიი | 2.444e | 3 5.193 |
| | | 0.000 | 2.685e | 3 5.290 |
| 8 | | 0.0000 | 2.857e | 5 5.637 |
| 9 | | 375.7065 | 3.186e | 4 5.707 |
| 10 | ethylmethylsulfide | 2951 8125 | ; 4.161e | 5 7.199 |
| 11 | Thiophene | n noo(|) 3.305e | 4 /.401 |
| 12 | | 55 0165 | 3.922e | 3 8.027 |
| 13 | diEthyl sulfide | 0.000 | 3.907e | 4 6.340 |
| 14 | | 11 081 | 9 1.246€ | 3 8.470 |
| 15 | nbutyl mercaptan | 696.071 | 9 7.265€ | 9.076 |
| 16 | Dimethyldisulfide | 0.001 | 0 8.902€ | 3 3.431 |
| 17 | Dimeen a | 0.000 | 0 1.371 | 4 9.001 |
| 18 | | 0.000 | 0 2.936 | 9.819 |
| 19 | • | 1747.638 | 7 1 8486 | |
| 20 | 2-methyl-1-butanethiol | 1747.638 | 3 1.987 | 10.207 |
| 21 | 3-methyl-1-butanethiol | 19.018 | 0 1.135 | |
| 22 | 3-metny1-1-bacame | 0.000 | 0 1.872 | |
| 23 | | 0.000 | 2 0 098 | |
| 24 | 1-pentanethiol | 118.595 | 3 8.098 0 5.951 | |
| 25 | 1-pencancement | 0.000 | 0 1.525 | |
| 26 | | 0.000 | 00 3.235 | |
| 27 | | 0.000 |)() 3.233 56 C 911 | - |
| 28 | | 0.000 | 00 6.811 | |
| 29 | • | 0.00 | 00 7.639 | |
| 30 | | 0.00 | 00 1.136 | |
| 31 | | 0.00 | 00 1.156 | |
| 32 | | 0.00 | 00 2.29 | |
| 33 | | 0.00 | 00 3.31 | |
| 34 | 7 75140 | 125.55 | 94 3.80 | |
| 35 | ditertbutylsulfide | 598.95 | 43 3.23 | |
| 36 | Diethyldisulfide | 0.00 | 00 1.94 | |
| 37 37 | | 0.00 | 00 694- | 650 13,500 |
| 38 | | n 00 | 000 390. | 117 13.670 |
| 39 | | 0.00 | 000 875. | 774 13.804 |
| | | 0.00 | 000 4.31 | 3e4 13.50 |
| 40 | | 0.00 | 000 3.25 | 0e4 14.200 |
| 41 | • | 283 5 | 514 2.09 | 3e4 14.414 |
| 42 | disecbutylsulfide | 99.3 | 576 4.63 | ses ration |
| 4.3 | diisobutylsulfide | 99.1 | 000 1:52 | 3e4 15.004 |
| 44 | ULIBOX WIT | 0.0 | 000 3.24 | 12e4 15.253 |
| 45 | | 0.0 | 000 5.9 | |
| 46 | | 0.0 | 000 3.5 | |
| 47 | | 0 ; 0 | 000 3.6 | |
| 48. | | 0.0 | 000 2.2 | |
| 49 | | 0.0 | | |
| 50 | dinbutylsulfide | , 0.0 | 0000 4.7 | |
| 51 | | . 0.0 | 0000 2.4 | |
| 52 | 221 25:30 | 988.0 | 0043 3.0 | · - · |
| 53 | DiPropyldisulfide | 0.0 | 0000 823 | .501 16.967 |
| 54 | | . 0.0 | 0000 2.9 | 25e4 17.128 |
| . 55 | | ÷ | | |
| , ,, | | | | |

| | 0.0000 7.722e3 17.431 |
|---------------------------------|-----------------------|
| 56 | 0.0000 628.535 17.708 |
| 57 | 0.0000 2.510e3 17.930 |
| 58 | 0.0000 9.277e3 18.117 |
| 59 | 0.0000 1.337e4 18.442 |
| 60 | 0.0000 5.207e3 18.598 |
| 61 | 0.0000 2.126e3 18.939 |
| . 62 | 0.0000 2.153e3 19.083 |
| . 63 | 0.0000 1.637e3 19.226 |
| 64 | 0.0000 3.195e3 19.680 |
| 65 | 0.0000 1.959e3 20.294 |
| 66 | 0.0000 1.238e3 21.038 |
| 67 | 0.0000 0.000 0.000 |
| 68 Dibutyldisulfide | |
| Total known sulfur cmpds | 10081.5808 |
| | |
| | |
| | 3649.832 |
| Total Known Sulfur: | 3454.596 |
| Total Unknown Sulfur Compounds: | 1542.598 |
| Total Unknown Sulfur: | 5192.430 |
| Total Sulfur: | |
| | |
| | |

Louis Dreytus Olefins LLC 10334 Highway 75 Geismar, LA. 70734

tank truck order direct manifest (CCRS 17-23) bill of lading

No.04783

| CONSIGNED TO: (COLS. 2-10) | | | | | LOA | ADING TI | ME | | CHET | ORDER N | |
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| Taylor | | | | | | MO. | DAY | YR. | 10031 | OHDEH N | O. |
| | | | • | tcor | .5 17-16) | 05 | 23 | 07 | 1.7 | GASO | 04783 |
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| | - STALLOW | - | 10000. 4040) | NO. | PRESSURE | | | GALLON | IS | LOADED | TEMP. FAC |
| LIQUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORROSIVE |) | | | | | | | | | | |
| | | | | 1 - | į | | | | | | |
| LPG MIX | | | | | | | | | | | |
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| //Jammable Liquids (Natural | | | | j j | | | | | | | ļ |
| Gasoline), n.o.s., 3, UN 1993, PG I, | | | | | } | | | | | | |
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| RQ, SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II | | | | | ĺ | | - | | | | pt. |
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| | | | 0 | carrier is a | common car | enect at ti ner: provid | me of ship led that if | ment, sup | plements | thereto or rei | ssues thereof, if |
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| carrier certifies that the cargo tank supplied for this shipment is a proper containe ribed by the shipper. This is to certify that the above named materials are properled, and are in proper condition for transportation, according to the properled. | er for the fransp erly classified, d | ortation of secribed, p | his commodity a | as ed and | | 13 | 140 | | | | tion 7 of Condi- |
| according to ingraphicable reg | ulations of the I | Departmen | of Transportation | on." | | | | | it thi | s shipment is | e bill of lading, to be delivered |
| is Dreyfus Olefins LLC | | | | . } | TARE WT. | <u> </u> | - : : : : : : | | | | ithout recourse the consignor |
| SHIPPER | . D. | Onl | | | •• | 30 | 840 | | sh | all sign the to | lowing state- shall not make |
| EIVED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE DAT | E OF ISSUANCE | E HAREO | F. | —— | | | . , | | deliv | ery of this sh | pment without t and all other |
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| 3MAR PLANT | | | | 1 | | 42 | 300 | | Per_ | | |
| | IN CAS | E OF EM | ERGENCY, C | ALL Chem | trec (800) | 424-9300 |) | | _1 | | |

TAYLOR PROPANE GAS, INC.

P.O.,BOX 438 Winnsboro, TX 75494 903-342-1300

DOT# 236068 ICC # MC 241655

EMERGENCY CONTACT CHEMTREC 1-800-424-9300

| | | • | | | | | - | | | | | | -800-424-9 | 300 |
|---------------------|----------------|---------------------------------------|-----------------|------------|-------------|----------------|-------------|--|--------------|--------------|---------------------------------------|-----------------|---------------|---------------------------------------|
| Pickup Date | . 1 | mpany Name) | 1 | lant Loca | tion/Town | | | | | | Picked He | For Th | e Account Of | |
| 5/22/ | | (Company Name) | | | 1 | | | , | | | 13.000 | 1111 | - ALLOURI OI | |
| Delivery Date | Destination | (Company Name) | P | lant Local | lion/Town | <u>, 1, 57</u> | 1. 18 s | <u> </u> | | | Della | | | · · · · · · · · · · · · · · · · · · · |
| 5/23/00 Truck # | | ر - الان | | | arges To: | ,, | A | | | | Delivered | to the A | Account Of | |
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| Water Capacit | y Percent Lo | aded Gross Gal | lons Tem | perature I | E I Von | or Dea | ssure | | | | | | | |
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| 1914 | J. Han - | | | | | - | | | | as/NONCOR | <u>:</u> | | 2.1 | UN 1075 |
| Pickup | | | | | | 4 | | l Gasoli | | | | | 3. | UN 1203, PG. II |
| Γicket Number ૐ) | 0/195= | 로. | | | • | | | eum Cru | | | · · · · · · · · · · · · · · · · · · · | | 3. | UN 1267, Pg. II |
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| NAME AND AH | E IN PROPER | CONDITION FOR | TRANSPOR | MOITATE | ACCORD | SMC | 70. | ECEIVE | OTHEA | BOVE DESCR | IBED PROPERT | TY IN GO | OD CONDITION | EXCEPTAS NOTE |
| HE REGULATI | ONS PRESCR | IBED BY THE INTE | ERSTATE CO | OMMERC | E COMM | ISSIC | N. | | | • | | - | | |
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| IATLU | JR PROPA | NE GAS, INC. | | Į. | | | | | | | | | | |
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R GASO

Gulf Liquids New River Project, LLC Geismar site
Gasoline Vial 1
5/22/2007 4:11:53 PM
C:\HPCHEM\2\METHODS\1GASO.M
C:\HPCHEM\2\DATA\SIG11710.D
Sample log number:GE070522003

Specific gravity (60:60): . 665%

Vapor pressure (psi): 13.45

| 1 0.000 0.000 IsoButane 0.0000 2 0.000 0.000 t-2-Butane 0.0000 3 4.484 273.204 n-Butane 0.2135 4 4.775 218.024 1-Butane 0.1703 5 5.089 104.288 IsoButane 0.0815 6 6.149 1606.113 c-2-Butane 1.2549 7 6.871 33740.223 Isopentane 26.3619 8 7.347 4526.595 1-Pentene 3.5367 9 7.543 3426.332 2-methyl-1-butene 2.6771 10 7.675 24195.199 n-Pentane 18.9042 11 12.443 59898.395 Hexanes Plus 46.7990 | # | Ret.Time | Area | Compound Name | Wt.8 |
|---|---------------------------------|---|--|--|---|
| | 3 4 5 6 7 8 9 | 0.000 4.484 4.775 5.089 6.149 6.871 7.347 7.543 7.675 | 0.000 273.204 218.024 104.288 1606.113 33740.223 4526.595 3426.332 24195.199 | t-2-Butane n-Butane 1-Butane IsoButane c-2-Butane Isopentane 1-Pentene 2-methyl-1-butene | 0.0000 0.2135 0.1703 0.0815 1.2549 26.3619 3.5367 2.6771 |

| # | Compound Name | | _ | , |
|------|---------------------------------------|----------------------|----------|------------------|
| | | wt ppm | Area | Meas. R |
| . 3 | hydrogen enlfida | 6,500 | ~ - ^: | |
| 2 | carpony1 sulfide | 0.0000 | | |
| 3 | methyl mercaptan | 5.5265 | 2.305e3 | 1.988 |
| 4 | ethyl mercaptan | 1624.3040 | 4.133e5 | 3.175 |
| 5 | diMethyl sulfide | 933.6376 | 9.910e4 | |
| 6 | | | 4.011e3 | |
| 7 | | | 4.253e.5 | |
| 8 | • | | 3.070e3 | |
| 9 | | | 3.195e3 | |
| 10 | | | 3.291e5 | |
| 11 | ethylmethylsulfide | 553.0870 | | |
| 12 | | | 727.870 | |
| 13 | Thiophene | 3393.5801 | | |
| 14 | | | 5.474e4 | 7.468 |
| 15 | | | 855.379 | 7.711 |
| 16 | diEthyl sulfide | 69.0264 | | 8.034 |
| 17 | | | 6.851e4 | 8.346 |
| 18 | nbutyl mercaptan | 15.7347 | | 8.486 |
| 19 | · · · · · · · · · · · · · · · · · · · | | 1.759e3 | 8,652 |
| 20 | Dimethyldisulfide | 728.1653 | | 9.083 |
| 21 | • | | 1.536e4 | 9.437 |
| 22 | • | | 2.521e4 | 9.596 |
| 23 | | | 3.480e5 | 9.840 |
| 24 | 2-methyl-1-butanethiol | 2642.6364 | | 9.998 |
| 25 | 3-methyl-1-butanethiol | 79.0672 | | 10.212 |
| 26 | | | 3.010e3 | 10.369 |
| 27 | | | 2.514e4 | 10.593 |
| 28 | 1-pentanethiol | 192.0467 | | 10.839 |
| 29 | | | 517.831 | 11.091 |
| 30 | | 0.0000 | | 11.251 |
| 31 | | 0.0000 | | 11.449 |
| 32 | | 0.0000 | | 11.609 |
| 33 | | 0.0000 | | 11.980 |
| 34 | | 0.0000 | | 12.082 |
| 35 | | 0.0000 | | 12.240 |
| 36 | | 0.0000 | | 12.490 |
| 37 | | 0.0000 | | 12.812 |
| 38 | | 0.0000 | | 12.923 |
| 39 | ditertbutylsulfide | 232.6326 | | 13.008 |
| 4 0 | Diethyldisulfide | 1104.4825 | | 13.122 |
| 41 | | 0.0000 2 | | 13.336 |
| 42 | | | 743.228 | 13.513 |
| 43 | , | | 1.847e3 | 13.675 |
| 44 | | | 951.427 | 13.811 |
| 45 | | 0.0000 6 | | 13.970 |
| 46 | | 0.0000 4 | | |
| 47 | disecbutylsulfide | 741.4076. 4 | | 14.212 14.418 |
| 48 | diisobutylsulfide | 157.9229 7 | | |
| 49 | | 0.0000 2 | | 14.665 |
| 50 | | | .163e5 | 15.005 |
| 51 | | | .163e5 | 15.259 |
| 52 | | | | 15.473 |
| 53 | | 0.0000 3 0.0000 1 | | 15.594 |
| 54 . | · | | | 15.786 |
| 55 | | 0.0000 2 | | 15.971 |
| | | 0.0000 3 | .247e3 | 16.147 |

| | | compound name | wr bbu | Arca | Meas. R |
|------|------------|-------------------|---------------|----------|---|
| • | 56 | dinbutylsulfide | 0.0000 | 0.000 | 0.000 |
| | 57 | , | | 8.594e3 | |
| | 58 | | | 6.912e4 | · |
| ÷ | 59 | DiPropyldisulfide | 2392.9899 | | |
| | 60 | | | 1.443e3 | |
| | 61 | • | 0.0000 | 6.065e4 | |
| | 62 | | 0.0000 | 3.983e4 | 17.223 |
| | 63 | | | 2.189e4 | 17.439 |
| | . 64 | | | 5.468e3 | |
| | 65 | | | 2.632e3 | 17.831 |
| | 66 | • | | 4.349e3 | 17.939 |
| | 67 | • | | 3.070e4 | 18.125 |
| | 68 | <i>:</i> | | 8.182e3 | 18.311 |
| | 69 | | | 2.437e4 | |
| | 70 | | | 1.176e4 | |
| | 71 | | 0.0000 | 3.482e3 | 18.949 |
| | 72 | | | 6.836e3 | 19.093 |
| | 73 | | | 4.432e3 | 19.239 |
| | 74 | • | | 1.133e4 | 19.687 |
| | 75 · | | | 2.250e3 | 20.137 |
| | 76 . | | | 6.693e3 | 20.309 |
| | 77 | _ | | 2.640e3 | |
| | 78 | | | 3.350e3 | 21.051 |
| | 79 | Dibutyldisulfide | | 0.000 | 0.000 |
| | 80 | | | 2.832e3 | |
| | 81 | | 0.0000 | 1.799e3 | |
| - | Total k | nown sulfur cmpds | | | |
| | • | | 14866.2472 | | |
| ==== | | | ============= | ======== | ======================================= |
| | l Known Su | | | 5223.78 | 6 |
| | | Sulfur Compounds: | | 5412.37 | |
| | l Unknown | Sulfur: | | 2411.06 | |
| | l Sulfur: | | | 7634.85 | |

Louis Dreyfus Olefins LLC 10334 Highway 75 3e'smar, LA. 70734 [COL. 1)

4 (COL. 1)

tank truck order direct manifest (COLS 17-23) bill of lading

No.04833

(OTC 7) [KAN MVFM.445]

| CONSIGNED TO: (cols. 2-10) | | | | | LOA | DING TI | | | Cu | ST. ORDER NO | |
|--|---------------------|-------------|-------------------|------------|-----------------------|-------------|-----------|---------------|-------------|---|----------------------|
| <u>, </u> | | | | ICOLS | i 11-16) | мо. 5 | DAY 26 | | 1, | Λ.4 <i>[(</i> 2. p., | (|
| GeTTSON | | | | STARTE | | | | 07 | 14 | ONG-04 | |
| 9-11-3-10 | | | | FINISHE | 161 | | | | FAO | SEAL NUI | MBEHS |
| | | | | SHIP | | | | | THR | U | |
| DESCRIPTION | GROSS | | GALLONS | TANK | P.P.D UPG VAPOR | GRAV | | CAPAC | ΙΫ́ | PERCENT | ADJUSTMEN |
| · | GALLONS | . (0 | DLS. 40-46) | NO. | PRESSURE | GRAN | /// / | GALLO | | LOADED | TEMP. FACT. |
| LIQUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORROSIVE) | | | | | | | | | | | |
| | | | | | | | İ | | | | |
| LPG MIX | | | | | | | | | | | |
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| PROPYLENE | | } | | | | | | | | | |
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| PROPANE | | | | | | | | | | | |
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| BUTANE | | | | | | | - 1 | | | | ". |
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| | | | | Λ . | 15 01 | 11 | 11 | 9 ~~ | | | |
| Flammable Liquids (Natural | 8550 | 830 | 9.56 | A | 14.50 | . 6 E | ' | 1500 | ١٠ | 90 | |
| (JGasoline), n.o.s., 3, UN 1993, PG I RO (Benzene) | | | | | | | | | ļ | į | |
| RO, SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II | • | | | | | | | | [| | • |
| Ad, 30010M 71 DROXIDE 3000110N, 8, 0N 1824, PG 11 | i | | | | | | | | ĺ | | |
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| | | | | Isounc | E OF SHIF | MENT | · | · · · · · · · | | | |
| | | | TANK PRESSURE | PLANT | OR LOCAT | ION | | | GE | EISMAR | , |
| | | | BEFORE LOADING | This ships | nent shall be | governed | by (a) | the contrac | l betwe | en shipper and ca ng from described i | rrier, Il carrier is |
| DATE DATE | | | 0/ | Freight Cl | lassification is | n effect at | time of | shipment, | suppler | ments thereto or re estate shipment by | issues thereof, if |
| TRANSPINO. 17.3 TRANSPINO. 227 CARRIER | | <u> </u> | 10 | in a state | | l lading ha | ive beei | | | d, this shipment sh | |
| 123 227 Go | MOSTITE | ET | YL MERCAPT | Ĺ | | | | | | CC NO. | · · · · · · |
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| O LEAKS | | 7 | / | | | | | • • | | | |
| ADER M () RECEIVING | DRIVER. | INITI | | 70.8. | - | | | | | | |
| carrier certifies that the cargo tank supplied for this shipment is a proper contain | X Co | 1/2 | Wel | topo | GROSS W | | · | | | | |
| cribed by the shipper. This is to certify that the above named materials are pro- led, and are in proper condition for transportation, according to the applicable of | h hoilisself Mag | locaribad a | okanad made | ad aad | | 7 | 56 | 60 | | tions of applicat | |
| | ryulations of the l | vepartment | or Transportat | ιοη." | | | | | | if this shipment is to the cosignee v | vithout recourse |
| uis Dreyfus Olefins LLC | 7 | _ | | | TARE WT. | | : - | | | on the consignor shall sign the to | ollowing state- |
| SHIPPER MILE | | / | 7/ | A | | フ | 984 | .0 | ٠, | ment: The carrie delivery of this sl | nipment without |
| DEIVED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THE DA | AUF OF ISSUAN | CE HEREO | 11 | * | NET WT. | | | | | payment of freig lawful charges. | Louis Dreylus |
| CEIVED AT DESTINATION | -JUL | A | ICKO | no | | 4: | >80 | Ö | | Olefins | LLC. |
| SMAR PLANT | | | • | | | | | | | Per | |
| | | | | | J | · · · · · | | | | l | |

| THIS MEMORANDUM or duplicale, covering the properly named herein, and is i | intended sole | ly for filing or | record. | | | | | | | • ' |
|---|--------------------------|-------------------------|-------------------------------------|-------|---|---|--|-------------------------|--------------------|--------------------|
| " GOTTSON OIL, INC. | | | | | Ship | per's No | · | | | |
| 2035 EVANGELINE HWY. (Carrier) JENNINGS, LA 70546 | | | | | - | | | 0185 | 20 | |
| (Carrier) _ ಲ್ಲೆಗಳುಕಳಲ್ಲಿ, ಒಸ್ಟ್ ೧೮೧೨ರ RECEIVED, subject to individually determined rates or contracts that have been agreed upo | SCAC on in writing | belween th | e carrier and sl | hippe | _ Carr | ier's No. | o the rates cla | | | I bave beer |
| established by the carrier and are available to the shipper, on request; and all applicable sta | ile and fede | ral regulation | ons; | • | | , | o raios, on | SOMEDIONS BITC | roles mo | |
| the Property described below, in apparent good order, except as noted (contents and co. | date _ | 5.5 | 6-02 | | from | 10028 | MaF 1 | Fus | | |
| the Property described below, in apparent good order, except as noted (contents and con (the word company being understood throughout this contract as meaning any person or route, or otherwise to deliver to another carrier on the route to said destination. It is mutual each party at any time interested in all or any of said Property that every service to be contained, including the conditions on the back hereof, which are hereby agreed to by the | ally agreed performed | as to each hereunder | carrier of all or shall be subje | any c | onder the of said Prop all the con- | contract) agree | es to carry to d | elivery at said o | destination | n, if on its |
| TO: (Mail or street address of consignee for purposes of notification only.) | | FRO | | - | _ | | | | | - |
| Consignee Taylok Profant | | l | per / 00 | | | • | | | | |
| Street | | - I | et <u>/033</u> | | | | | | | |
| Destination / 2.5 Boxi / A Zip Route: | | Orig | in (F£S | ie21 | ER | A. | | Zip <i>70</i> | 234 | <u>/</u> |
| Delivering Carrier (1) # 123 | | Trailer I つ | nitial/Num | ber | | U.S. DO | OT Hazma | t Reg. Nur | nber | |
| o. of HM Description of articles, special marks, and exception | | lazard Class | I.D. Number | | acking Group | *Weight (subject to correction | Class or rate | Labels re | quired | Check |
| Ty Flammable LIQUEDS | | 3 | UN 1993 | R | | | | ロベラ | 23 | |
| (ALATURAL GASOKTAE) | | | | - | | | | | | |
| NOS, 3, UN 1993, PGT RQ (BENZENE) | | | : | - | | | | | | |
| KQ (BENZENF) | | | | | | | | | er, properties are | |
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| emit C.O.D. to: tdress: | | COD | AM | Т: | shipment is without re consignor si | to be delivered to course on the self sign the follow | conditions, if this to the consigner consigner, the consigner, the consigner in the consigner is the consigner in the consigner in the consigner is the consigner in the consigner in the consigner in the consigner in the consigner in the consigner in the consigner in the consigner in the consistency in the consistenc | C. O. D Prepaid | . FEE | • |
| ty: State: Zip: where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, seed or declared value of the property is hereby | | \$ Charge | s Advance | ed | shipment w other lawful | thout payment of | e delivery of this If freight and all | Collect FREIGH | □\$ T CHA | RGES |
| torulation for transportation according to the applicable regulations of the Department of Transportation. | CARDS UIRED | \$ > | 1997 | | PL | Signature of cons | YES | NO FURNIS | | Collect CAHRIER |
| ECIAL INSTRUCTIONS: | | UA | 1113 | - | | | DRIVER'S S | CANATURY / | DE IS | los E |
| HPPER: LOUIS DEVEUS R: 1111 DATE: 5-76 | · 0.7 | CARRIE | -M- | | | , INC 1 70546 | 2035 EV | NGELIN DATE: <u></u> | 医 HW | <u>/Y.</u> |
| nanent post office address of shipper | | EMERG | ENCY RES | 1BE | R: | | l -5 571 | incidental to tran | | |

Gulf Liquids New River Project, LLC Geismar site
Gasoline Vial 1
5/26/2007 4:12:22 PM
C:\HPCHEM\2\METHODS\1GASO.M
C:\HPCHEM\2\DATA\SIG11721.D
Sample log number:GE070525006

Specific gravity (60:60): . (6)

Vapor pressure (psi): /4.36

| | | • | | • | |
|---|---|--|---|--|---|
| _ | # | Ret.Time | Area | Compound Name | Wt.8 |
| | 1 2 3 4 5 6 7 8 9 10 | 2.030 0.000 4.487 4.775 5.092 6.153 6.875 7.350 7.546 7.678 12.443 | 42.624 0.000 273.466 176.903 133.144 1977.498 35588.719 5283.570 4563.590 22392.906 50847.570 | IsoButane t-2-Butane t-2-Butane n-Butane 1-Butane IsoButane c-2-Butane Isopentane 1-Pentene 2-methyl-1-butene n-Pentane Hexanes Plus | 0.0351 0.0000 0.2255 0.1459 0.1098 1.6305 29.3443 4.3565 3.7629 18.4638 41.9258 |
| _ | | | | | |

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Louis Dreyfus Olefins, LLC Sulfur Analysis 5/26/2007 4:14:46 PM C:\HPCHEM\4\METHODS\SULFGASO.M C:\HPCHEM\4\DATA\SIG19254.D Sample log number:GE070526002

| # | : Compound Name | wt ppm | Area | Meas. R |
|----------|------------------------|------------|----------|---------|
| 1 | hydrogen sulfide | | | |
| 2 | carbonyl sulfide | 0.0000 | | |
| 3 | methyl mercaptan | 0.0000 | _ | |
| 4 | ethyl mercaptan | | 2.478e3 | |
| 5 | diMethyl sulfide | 1751.0197 | | |
| . 6 | dimethyl sulfide | 849.4885 | | 3.508 |
| 7 | | | 3.847e3 | 3.983 |
| | | | 4.272e5 | 4.385 |
| 8 | | | 3.898e3 | 5.199 |
| 9 | | | 2.415e3 | 5.304 |
| 10 | | | 3.292e5 | 5.634 |
| 11 | ethylmethylsulfide | 415.8504 | | 5.793 |
| 12 | - · | | 706.132 | 6.564 |
| 13 | Thiophene | 3194.0434 | | 7.188 |
| 14 | | | 4.538e4 | 7.466 |
| 15 | 2170.3 | 0.0000 | 807.081 | 7.711 |
| 16 | diEthyl sulfide | 55.1724 | 3.933e3 | 8.032 |
| 17 | | | 6.454e4 | 8.344 |
| 18 | nbutyl mercaptan | 13.3071 | 1.496e3 | 8.483 |
| 19 | | | 1.122e3 | 8.653 |
| 20 | Dimethyldisulfide | 805.1898 | | 9.081 |
| 21 | | 0.0000 | | 9.435 |
| 22 | | 0.000 | | 9.594 |
| 23 | 0 | 0.0000 | | 9.815 |
| 24 | 2-methyl-1-butanethiol | 2251.9350 | | 9.995 |
| 25 | 3-methyl-1-butanethiol | 42.2550 | | 10.210 |
| 26 | | | 2.386e4` | 10.590 |
| 27 28 | 1-pentanethiol | 154.3453 | | 10.837 |
| | | 0.0000 | 9.048e4 | 11.248 |
| 29 | • | 0.0000 | 2.370e3 | 11.444 |
| 30 | • | 0.0000 | | 11.606 |
| 31 | • | 0.0000 | 7.865e4 | 11.977 |
| 32 | | 0.0000 (| B.932e4 | 12.079 |
| 33 | , | 0.0000 | l.347e5 | 12.237 |
| 34 | • | 0.0000 | l.406e5 | 12.487 |
| 35 | | 0.0000 2 | 2.575e4 | 12.809 |
| 36 | | 0.0000 | 3.308e3 | 12.919 |
| 37 | ditertbutylsulfide | 124.8619 | 3.781e3 | 13.005 |
| 38 | Diethyldisulfide | 803.9090 4 | 1.341e4 | 13.125 |
| 39 | , | 0.0000] | .862e4 | 13.333 |
| 40 | • | 0.0000] | 761e3 | 13.509 |
| 41 | i i | 0.0000 3 | .269e3 | 13.671 |
| 42. | | 0.0000 7 | | 13.963 |
| 43 | | 0.0000 2 | | 14.213 |
| 44 | disecbutylsulfide | 299.2170 1 | | 14.414 |
| 45 | diisobutylsulfide | 94.2836 4 | | 14.661 |
| 46 | | 0.0000 1 | | 15.001 |
| 47 | | 0.0000 1 | | 15.255 |
| 48 | | 0.0000 1 | | 15.469 |
| 49 | | 0.0000 3 | | 15.591 |
| 50 . | | 0.0000 1 | | 15.781 |
| 51 | | 0.0000 1 | | 15.969 |
| 52 | | 0.0000 3 | | 16.139 |
| 53 | dinbutylsulfide | 0.0000 | 0.000 | 0.000 |
| 54 | | 0.0000 8 | | 16.509 |
| 55 | | 0.0000 7 | | 16.629 |
| | | | | |

| # | Compound Name | wt ppm | Area | Meas. R | |
|-------------|-----------------------|------------|---------|---------|---------|
| 56 | DiPropyldisulfide | 2527.7682 | 7.814e4 | 16.722 | |
| 57 | | | 1.294e3 | | |
| 58 | | 0.0000 | 9.408e4 | 17.127 | |
| 59 | • | | 1.876e4 | 17.434 | |
| 60 | | 0.0000 | 4.803e3 | 17.699 | • |
| 61 | • | 0.0000 | 1.809e3 | 17.822 | |
| 62 | • | • | 3.844e3 | | |
| 63 | | 0.0000 | 3.447e4 | 18.121 | |
| 64 | | | 5.386e3 | 18.309 | |
| 65 | | | 2.221e4 | 18.448 | |
| 66 | | 0.0000 | 1.117e4 | 18.607 | |
| 67 | • | | 2.724e3 | 18.945 | |
| 68 | | 0.0000 | 5.509e3 | 19.091 | |
| 69 | | 0.0000 | 2.696e3 | 19.235 | |
| 70 | • | 0.0000 | 3.722e3 | 19.682 | |
| 71 | | 0.0000 | 2.266e3 | 20.126 | |
| 72 | | | 5.337e3 | 20.301 | |
| 73 | | | 2.946e3 | 21.045 | |
| 74 | Dibutyldisulfide | 0.0000 | 0.000 | 0.000 | • |
| 75 | | 0.0000 | 1.427e3 | | |
| Tot | al known sulfur cmpds | | | | |
| | | 13388.5869 | | · | |
| | | | ====== | ======= | ======= |
| Total Know | | • | 4924.25 | 9 | |
| | own Sulfur Compounds: | | 4804.29 | 3 | |
| | own Sulfur: | | 2156.22 | 8 | |
| Total Sulfi | ır: | | 7080.48 | 6 | |

| Ouis D. eyfus Olefins LL(| <i></i> | | la | ińk tru | ck orde | r direc | Tarani | tool lie | die San San | | | |
|--|--|--|---|--|--|--|--|--|---|--|--|--|
| | 1) 4 | | | | | bi | ll of fac | ding | | No. | 048 | 394 |
| DNSIGNED TO: (COLS. 2-10) | * - * * * · · · · · | | ,= = | 1 | | | | | <u></u> | | 10 | HE THERMINISTERS |
| Gotton | • | | | | | LO | ADING T | TIME DAY | YR. | CUST | ONDER | νο, |
| | | | | | (COLS | 11-16, | 06 | 01 | 07 | 1/2 | GASA | 04894 |
| | | | | ļ | INISHED | | 91 | 8 Am | 1 | | | IUMBERS |
| LisbON, LA. | | | | <u> -</u> . | SEUP - | | 1012 | An | 1 | FROM | | |
| ¹ DESCRIPTION | | GRÖSS T | NET GALLO | NS - | TANK I | P.P.D UPG | 1 | | OL. CAPAC | THAU | | |
| LIQUETIED OF TROUTURE CAR, 2.1. URL 1675 (C. 21) | **** | | (CX S 40 46) | | NO. PI | VAPOR HESSURE | GRA | VITY | GALLO | | PERCENT LOADED | ADJUSTME |
| LPG MIX | | | | | | | | | | | | |
| PROPYLENE | | | | | | | | | | | | |
| PROPANE | | | | | | | | | | | | |
| BUTANE | | | | | | | | | | | | |
| fammable Liquids (Natural asoline), n.o.s., 3, UN 1993, PG I | | | | + | | | | - | | - | | |
| a (Benzene) | | . | | | | | | | | | | |
| D. SODIUM HYDROXIDE, SOLUTION, 8, UN 1824, PG I | , | | | | | | | | • | | | |
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| | | | | | | 8 | 61 ¹ | | · | | · | |
| | 165 | 0 80 | 33, 19 | B | 14.5 | 8 .6 | 611 | Po | To 0 | 90 | 20 | 70°F |
| | 165 | 0 80 | 33, 79 | _ | 14.5 | | | કુડ | 80 | 90 | % | 70°F |
| 191.28 BILS | 765 | 0 80 | TANK PRESSURI | SOUF PLAN | RCE OF S | SHIPME CATION | NT I | | Gi | EISM. | AR | |
| 191.28 BLLS | 165 | 0 80 | TANK PRESSURI BEFORE LOADING | SOUF PLAN This sh | RCE OF SIT OR LO | SHIPME CATION | NT I erned by (| a) the co | G I | EISM, | AR | d il carrier is |
| DATE CARRIER NO. CARRIER | | | TANK PRESSURI BEFORE | SOUF PLAN This sh a contra Freight carrier is | RCE OF S IT OR LO Dipment sha act carrier; Classificati | SHIPME CATION or (b) the or in elle | NT erned by (terms of a | a) the cor applicable of shipme | Gillation of ladient, supple | EISM, | AR r and carrie scribed in N eto or reissi | t, il carrier is lational Motor |
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| Subject to individually determined rates or contracts that have been at the depth of the carrier and are available to the shipper, on request; and all applet | | | | | | | | |
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| peny described below, in apparent good order, except as noted (content of company being understood throughout this contract as meaning any or otherwise to deliver to another carrier on the route to said destination any at any time interested in all or any of said Property that every send, including the conditions on the back hereof, which are hereby agreed. | It is mulually agreed as | s to each car | all he subject to | all the condition | arract) agrees to y over all or any ons not prohibite | carry to delive portion of said ed by law, whe | ry at said destination to the printed or write | and as to len, herein |
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| e lite rate is dependent on value, shippers are required to state specifically in writing the agreed or declared | | Charg | es Advanc | ed | (Signature of con- | signor) | FREIGHT Prepaid | |
| or declared value of the property is heeby per laided by the shipper to be not exceeding per string training to the same of amage in 1 his shipment may be applicable. See 48 U.S.C. 42706(KIKA), with ybat the above-named materials are properly distrilled, described, packaged, marked and labeled, en tick for transponsition according to the applicable regulations of the Operament of Transportation. | and (B). PLACARDS REQUIRED | P | , 1997 | P | LACARDS SUPPLIED | YES/ | NO FURNISHI | BY CARRIE |
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| PER: 15675 DEFY FILL | 6-1-07 | CARI | RIER: | NINGS. | LA 70548 | | DATE: 6-1 | -07 |
| DATE: | : _ CT / · / / | EME | RGENCY RE | SPONSE | (300) 13 | 24-5571 | | |
| neni posi office address of shipper | <u> </u> | TELE | PHONE NU | lazardous Maten | at is in transportati | on including stor | age incidental to transc | O (Rev. 11/ |

Gulf Liquids New River Project, LLC Geismar site
Gasoline Vial 1
6/1/2007 2:19:35 AM

6/1/2007 2:19:35 AM C:\HPCHEM\2\METHODS\1GASO.M C:\HPCHEM\2\DATA\SIG11731.D Sample log number:GE070601002

Specific gravity (60:60):

Vapor pressure (psi):

4250. - B

.6611

| # | Ret.Time | Area | Compound Name | Wt.% |
|---|---|---|---|---|
| 1 2 3 4 5 6 7 8 9 | 0.000 0.000 4.487 4.775 5.092 6.153 6.874 7.350 7.545 .7.678 12.445 | 0.000 0.000 163.255 155.526 98.278 1975.460 34817.105 5171.700 5017.666 18552.676 49742.820 | IsoButane t-2-Butane n-Butane 1-Butane IsoButane c-2-Butane Isopentane 1-Pentene 2-methyl-1-butene n-Pentane Hexanes Plus | 0.0000 0.0000 0.1411 0.1344 0.0849 1.7075 30.0940 4.4701 4.3370 16.0359 42.9950 |
| | | | | |

Louis Dreyfus Olefins, LLC
Sulfur Analysis
6/1/2007 2:22:03 AM
C:\HPCHEM\4\METHODS\SULFGASO.M
C:\HPCHEM\4\DATA\SIG19290.D
Sample log number:GE070601002

| | · | | • | | |
|-----|------------------------|----|-----------|---------|---------|
| # | Compound Name | wt | ppm · | Area | Meas. R |
| | | | | | 0.000 |
| 1 | hydrogen sulfide | | 0.0000 | 0.000 | 0.000 |
| 2 | carbonyl sulfide | | 0.0000 | 0.000 | 0.000 |
| 3 | methyl mercaptan | | | 5.399e3 | 1.993 |
| 4 | ethyl mercaptan | | 1769.8489 | | 3.146 |
| 5 | diMethyl sulfide | | 886.6454 | | |
| 6 | | | | 3.217e3 | 4.003 |
| 7 · | | • | | 4.138e5 | 4.403 |
| 8 | | | | 4.086e3 | 5.221 |
| 9 | | | | 4.523e3 | 5.325 |
| 10 | | | | 3.192e5 | 5.668 |
| 11 | ethylmethylsulfide | | 413.8627 | | 5.813 |
| 12 | • | | | 533.298 | 6.585 |
| 13 | Thiophene | | 3157.1571 | | 7.212 |
| 14 | | | | 4.097e4 | 7.485 |
| 15 | • | | | 765.708 | 7.728 |
| 16 | diEthyl sulfide | | 51.7083 | | 8.051 |
| 17 | | | | 5.825e4 | 8.363 |
| 18 | nbutyl mercaptan | | 13.9188 | | 8.502 |
| 19 | | | | 1.467e3 | 8.677 |
| 20 | Dimethyldisulfide | | 877.1820 | | 9.100 |
| 21 | | | | 9.999e3 | 9.454 |
| 22 | | | | 1.886e4 | 9.612 |
| 23 | | | | 3.103e5 | 9.849 |
| 24 | 2-methyl-1-butanethiol | | 1908.0078 | | 10.014 |
| 25 | 3-methyl-1-butanethiol | | 78.5529 | | 10.229 |
| 26 | • | | | 997.921 | 10.386 |
| 27 | | | | 1.953e4 | 10.609 |
| 28 | 1-pentanethiol | | 170.1313 | | |
| 29 | | | | 8.787e4 | 11.266 |
| 30 | | | | 2.560e3 | 11.462 |
| 31 | | | | 3.547e4 | 11.625 |
| 32 | | | | 6.891e4 | 11.995 |
| 33 | | | | 7.526e4 | 12.097 |
| 34 | | | | 1.147e5 | 12.255 |
| 35 | • | | | 1.209e5 | 12.505 |
| 36 | | | | 2.292e4 | 12.828 |
| 37 | ditertbutylsulfide | | 103.3533 | | 12.939 |
| 38 | Diethyldisulfide | | 961.2804 | | 13.137 |
| 3.9 | | | | 1.731e4 | 13.350 |
| 40 | | | | 2.287e3 | 13.528 |
| 41 | | | | 3.928e3 | 13.689 |
| 42 | | | | 7.489e4 | 13.982 |
| 43 | | | | 3.547e4 | 14.225 |
| 44 | disecbutylsulfide | , | 670.7592 | | 14.432 |
| 45 | diisobutylsulfide | | 104.7424 | | 14.682 |
| 46 | | | | 2.297e4 | 15.019 |
| 47 | | | | 1.547e5 | 15.272 |
| 48 | | | | 1.847e5 | 15.487 |
| 49 | | | | 3.997e4 | 15.609 |
| 50 | • | | | 1.113e3 | 15.800 |
| 51 | | | | 864.646 | 15.984 |
| 52 | | | | 3.161e3 | 16.156 |
| 53. | dinbutylsulfide | | 0.0000 | 0.000 | 0.000 |
| 54 | | | | 9.980e3 | 16.525 |
| 55 | | | 0.0000 | 8.454e4 | 16.646 |
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Dreyfus Olefins LLC

tank truck order direct manifest | (cos 1/2) bill of lading

| VSIGNED TO: (cols. 2-10) | | | T | LOA | DING TIME | | CUST, ORDER NO | T. ORDER NO | | | | | |
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| DESCRIPTION | GROSS GALLONS | NET GALLONS (COLS. 40-46) | TANK NO. | UPG VAPOR PRESSURE | GRAVITY | CAPACI GALLON | | TEMP FACT | | | | | |
| IOUEFIED PETROLEUM GAS, 2.1, UN 1075 (NON CORROSIM | E) | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| PROPYLENE | | · | | | | | | | | | | | |
| PROPANE | | | | | | | | | | | | | |
| BUTANE | | | A | 14.68 | 6582 | 10500 | 764 | | | | | | |
| Jammable Liquids (Natural iasoline), n.o.s., 3, UN 1993, PG I, IQ (Benzene) | | | | | | | | | | | | | |
| O, SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II | | | | | | | | | | | | | |
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| | | TANK PRESSUF | REPLANT | OR LOCA | TION | | GEISMAR | | | | | | |
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| B4563 1274 1/ | 4 <i>YL @ K</i> | ETHYL MERCAF | PTAN | | | <u> </u> | CC NO. | | | | | | |
| LEAKS | | INITIAL | C.C.S. | | | | | | | | | | |
| rrier certilies that the cargo tank supplied for this shipment is a proper consed by the shipper. This is to certify that the above named materials are 1, and are in proper condition for transportation, according to the applicable | properly classified, | described, packaged, ma | rked and | GROSS | | 1880 | tions of applications of this shipment | ection 7 of Condi- able bill of lading, is to be delivered without recourse | | | | | |
| 5 Dreyfus Olefins LLC SHIPPER IVED SUBJECT TO TARIFF'S AND/OR CONTRACT IN EFFECT ON THI | DATE OF ISSUA | NCE HÉREOF ₂ | , | TARE W | - | 340 | on the consignation on the consignation of the care delivery of this payment of tree | or, the consignor following state- ier shall not make shipment without ight and all other to Louis Dreytus | | | | | |
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YLOR PROPANE GAS, INC.

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D. BOX 438nnsboro, TX 754943-342-1300

DOT# 236068 ICC # MC 241655

EMERGENCY CONTACT CHEMTREC 1-800-424-9300

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| | · | | | | | 1 | · TN | 1 | | ŀ | | | | | | | | | | |
| | | | - | | | | | | | | | | | | | | | | | |
| | | | - - | | | | TOTAL | - | | | | 1 | | | | | | | | |
| | | | | | | | | _i | | _1 | | L | | | | | | | | |
| | [| . <u></u> . | | | | | REMARK | 3 | | | | | | | | | | | | |
| TOTAL | | | - | - } | | | <u> </u> | | | | · | | | | | | | | | |
| | | L | | | | | | | | - | * | | | | | | | | | |

Gulf Liquids New River Project, LLC Geismar site

Gasoline Vial 1 6/22/2007 4:16:11 AM

C:\HPCHEM\2\METHODS\1GASO.M C:\HPCHEM\2\DATA\SIG11792.D

Sample log number: GE070620001

Specific gravity (60:60):

A-Tank

Vapor pressure (psi):

.6582 14.68

| # | Ret.Time | Area | Compound Name | Wt.8 |
|-----|----------|-----------|-------------------|---------|
| 1 | 2.031 | 24.250 | IsoButane | 0.0242 |
| 2 | 0.000 | 0.000 | t-2-Butane | 0.0000 |
| 3 | 4.496 | 60.159 | n-Butane | 0.0600 |
| 4 | 4.776 | 112.941 | 1-Butane | 0.1126 |
| 5 | 5.103 | 33.610 | IsoButene | 0.0335 |
| · 6 | 6.166 | 1525.004 | c-2-Butane | 1.5198 |
| 7 | 6.887 | 32706.105 | Isopentane | 32.5936 |
| 8 | 7.358 | 3888.393 | 1-Pentene | 3.8750 |
| . 9 | 7.554 | 4218.803 | 2-methyl-1-butene | 4.2043 |
| 10 | 7.687 | 18180.447 | n-Pentane | 18.1179 |
| 11 | 12.443 | 39595.383 | Hexanes Plus | 39.4592 |
| | | | | |

| · # | Compound Name | wt ppm | Area | Meas. R |
|----------|--------------------------|---------------------------------------|--------------------|----------------|
| | | | 0.0 | |
| 2 | carbonyl sulfide | 0.0000 | 0.000 | 0.000 |
| 3 | methyl mercaptan | 42.8959 | 1.789e4 | 1.950 |
| 4 | ethyl mercaptan | 2400.1495 | 6.108e5 | 3.092 |
| 5 | diMethyl sulfide | 2375.8198 | 2.522e5 | 3.492 |
| 6 | _ | 0.0000 | 8.503e3 | 3.675 |
| 7 | - | 0.0000 | 2.003e3 | 3.979 |
| 8 | | 0.0000 | 5.205e5 | 4.331 |
| 9 | | 0.000 | 2.400e4 | 5.207 |
| 10 | | | 1.098e4 | 5.311 |
| 11 | | | 4.009e5 | 5.633 |
| 12 | ethylmethylsulfide | 1064.3577 | | 5.803 |
| 13 | | | 2.201e3 | 5.968 |
| 14 | | | 428.832 | 6.580 |
| 15 | Thiophene | 3584.2656 | | 7.186 |
| 16 | | | 6.830e4 | 7.480 |
| 17 | | | 1.494e3 | 7.722 |
| 18 | diEthyl sulfide | 310.2234 | | 8.047 |
| 19 | | | 8.508e4 | 8.361 |
| 20 | nbutyl mercaptan | | 6.243e3 | 8.502 |
| 21 | ni | | 2.436e3 | 8.671 |
| 22 | Dimethyldisulfide | 2642.9589 | | 9.098 |
| 23 | | | 2.303e3 2.335e4 | 9.235 9.453 |
| 24 25 | | | 2.335e4 2.775e4 | 9.612 |
| 26 | | | 3.294e5 | 9.855 |
| 27 | 2-methyl-1-butanethiol | 2411.3598 | | |
| 28 | 3-methyl-1-butanethiol | 95.9397 | | |
| 29 | 5 moeny a 2 decunounted | | 2.841e4 | |
| 30 | 1-pentanethiol | 184.5583 | | 10.856 |
| 31 | | · · · · · · · · · · · · · · · · · · · | 1.895e5 | 11.268 |
| 32 | | | 3.835e3 | 11.469 |
| 33 | | | 4.586e4 | 11.626 |
| 34 | | 0.0000 | | 11.998 |
| 35 | | 0.0000 | 9.420e4 | 12.100 |
| 36 | | 0.0000 | 1.292e5 | 12.258 |
| 37 | | 0.0000 | 1.572e5 | 12.508 |
| 38 | | 0.0000 | 3.919e4 | 12.830 |
| 39 | | 0.0000 | 1.272e3 | 12.942 |
| 40 | ditertbutylsulfide | 52.2502 | 1.582e3 | 13.023 |
| 41 | Diethyldisulfide | 1487.6912 | 8.033e4 | 13.149 |
| 42 | • | 0.0000 | 2.676e4 | 13.354 |
| 43 | | 0.0000 | 2.771e3 | 13.530 |
| 44 | • | 0.0000 | 2.475e3 | 13.692 |
| 45 | | 0.0000 | 6.177e4 | 13.987 |
| 46 | • | 0.0000 | 3.366e4 | 14.235 |
| 47 | disecbutylsulfide | 385.7988 | 2.105e4 | 14.436 |
| 48 | diisobutylsulfide | 212.5612 | | 14.682 |
| 49 | | • | 2.943e4 | 15.023 |
| 50 | | 0.0000 | | 15.276 |
| 51 | | | 1.276e5 | 15.490 |
| 52 | | | 1.183e4 | 15.609 |
| 53 | • | | 1.316e3 | 15.990 |
| 54 | 24 - 3 1 - 2 - 2 - 2 - 2 | | 4.429e3 | 16.166 |
| 55 | dinbutylsulfide | 0.0000 | 0.000 | 0.000 |

| ٠ # | Compound Name | wt ppm | area | meas. ĸ | | |
|---|------------------------|---|---------|---------|----------|--------|
| • • • • • | | 0.0000 | 4.096e3 | 16.398 | | |
| 56 | • | | 6.550e3 | | | |
| 57 | · · | 0.0000 | 4.669e4 | 16.650 | | |
| 58 59 | DiPropyldisulfide | 1933.4275 | 5.977e4 | 16.744 | • | |
| 60 | Diriopyraisarra | | 901.464 | | | |
| 61 | | 0.0000 | 5.379e4 | 17.151 | | |
| 62 | | 0.0000 | 1.160e4 | | | |
| | `` | 0.0000 | 1.129e3 | 17.734 | | |
| 63 | | 0.000 | 679.803 | 17.854 | | |
| 64 | | 0.0000 | 2.204e3 | 17.960 | | |
| 65 | | | 2.222e4 | | | |
| 66 | | | 1.692e4 | | | |
| 67 | | | 8.595e3 | | ÷ | |
| 6.8 | | | 2.884e3 | | | |
| . 69 | • | | 3.228e3 | | | |
| 70 | • | | 2.740e3 | | | |
| 71 | | | 1.254e3 | | | |
| 72 | | | 2.011e3 | | | |
| 73 | | | 4.404e3 | | | |
| 74 | • | | 1.412e3 | | | |
| 75 | m. 1. 2.22 2.51 d | | | 0.000 | | |
| 76 | Dibutyldisulfide | | 2.045e3 | | | |
| 77 | 3.5 | 0.0000 | 2.04363 | | | |
| To | tal known sulfur cmpds | 19239.7753 | | | | |
| ======================================= | | :====================================== | ====== | | | |
| | - 36 | | 7984.6 | 4.8 | | |
| Total Know | wn Sulfur: | | 5213.0 | | | |
| Total Unki | nown Sulfur Compounds: | | 2333.4 | | | |
| Total Unki Total Sul: | nown Sulfur: fur: | | 10318.0 | | | |
| | | | | | :======= | ====== |

ATACHNONT S

| ×I | 45' 0" I,D, X 36' 0" HIGH (10,194 barrels) | ×I |
|--------------------------------------|--|-----------|
| | | |
| 3 | 3 | 3 |
| 70.79 | 70.79 | 70.79 |
| | 353.96 | 353.96 |
| 920.30 | 920.30 | |
| 1203.47 | 1203.47 | 1203.47 |
| 1486.64 | 1486.64 | 1486.64 |
| <u> </u> | 1769.81 | 1769.81 |
| 2052.98 | 2052.98 | 2052.98 |
| 2336.15 | 2336.15 | 2336.15 |
| 2619.32 | 2619.32 | 2619.32 |
| 2902.49 | 2902.49 | 2902.49 |
| 3185.66 | 3185.66 | 3185.66 |
| 3468.83 | 3468.83 | 3468.83 |
| 3752.00 | 3752.00 | 3752.00 |
| 4035.17 4058.77 | 4035.17 | \perp |
| 4601.51 | 4601.51 | 4601.51 |
| 4884.68 | 4884,68 | 4884,68 |
| 5167.85 | 5167.85 | 5167.85 |
| 5451.02 | 5451.02 | 5451.02 |
| 5734.19 5757.79 | 5734.19 | |
| 6017.36 | 6017.36 | 6017.36 |
| 6300.53 | 6300.53 | 6300.53 |
| 6583.70 6607.30 8 6866.87 6890.47 | 6866 87 | |
| 7150.04 | 7150.04 | 7150.04 |
| 7433,21 | 7433,21 | 7433,21 |
| ١ | 7716,38 | 7716,38 |
| _ | 7999.55 | 7999.55 |
| 8282 72 | 8282 72 | 8282 72 |
| 8565,89 | 8565,89 | 8565,89 |
| 8849 06 | 8849.06 | 8849.06 |
| 1 9132.23 | 1 9132.23 | 1 9132.23 |
| 9415.40 | 9415.40 | 9415.40 |
| 3 9698.57 | 3 9698.57 | 3 9698.57 |
| 9981.74 | 9981.74 | 9981 74 |
| | | _ |

| | | 1 | | 27 > | 10. Cil. 110. Co. 444 homes | 444 100000 | 1 | | | | | i |
|------------|----------|----------|----------|-------------|-----------------------------|------------|----------|----------|----------|----------|----------|------|
| - [| 1 | | 8 | 0 1.D. A 40 | Inches | 2,141 | 2 | | | | | |
| | - | 2 | 62 | 4 | 9 | 9 | 7 | 8 | 60 | 9 | 11 | Feet |
| 1 | 41.96 | 83.92 | 125.89 | 167.85 | 209.81 | 251.77 | 293.73 | 335.69 | 377.66 | 419.62 | 461.58 | 0 |
| 1 | 545.50 | 587.46 | 629.43 | 671.39 | 713.35 | 755.31 | 797.27 | 839.23 | 881.20 | 923.16 | 965.12 | - |
| 1- | 1049.04 | 1091.00 | 1132.97 | 1174.93 | 1216.89 | 1258.85 | 1300.81 | 1342.77 | 1384.74 | 1426.70 | 1468.66 | 7 |
| 1 | 1552.58 | 1594.54 | 1636.51 | 1678.47 | 1720.43 | 1762.39 | 1804.35 | 1846.31 | 1888.28 | 1930.24 | 1972.20 | 60 |
| | 2056.12 | 2098.08 | 2140.05 | 2182.01 | 2223.97 | 2265.93 | 2307.89 | 2349.85 | 2391.82 | 2433.78 | 2475.74 | 4 |
| | 2559.66 | 2601 62 | 2643.59 | 2685.55 | 2727.51 | 2769.47 | 2811.43 | 2853.39 | 2895.36 | 2937.32 | 2979.28 | 9 |
| 1 ' | 3063.20 | 3105.16 | 3147.13 | 3189.09 | 3231.05 | 3273.01 | 3314.97 | 3356.93 | 3398.90 | 3440.86 | 3482.82 | 9 |
| 1 | 3566 74 | 3608 70 | 3650.67 | 3692.63 | 3734.59 | 3776.55 | 3818.51 | 3860.47 | 3902.44 | 3944.40 | 3986.36 | ^ |
| 1 | 4070 28 | 411224 | 4154.21 | 4196.17 | 4238.13 | 4280.09 | 4322.05 | 4364.01 | 4405.98 | 4447.94 | 4489.90 | œ |
| 1 | 4573.82 | 4615 78 | 4657 75 | 4699.71 | 4741.67 | 4783.63 | 4825.59 | 4867.55 | 4909.52 | 4951.48 | 4993.44 | တ |
| 1 | 5077.36 | 5119.32 | 5161.29 | 5203.25 | 5245.21 | 5287.17 | 5329.13 | 5371.09 | 5413.06 | 5455.02 | 5496.98 | 9 |
| | 5580 90 | 5622.86 | 5664.83 | 5706.79 | 5748.75 | 5790.71 | 5832.67 | 5874.63 | 5916.60 | 5958.56 | 6000.52 | 두 |
| | 6084 44 | 6126 40 | 6168.37 | 6210,33 | 6252.29 | 6294.25 | 6336.21 | 6378.17 | 6420.14 | 6462.10 | 6504.06 | 12 |
| | 6587 98 | 6629 94 | 6671.91 | 6713.87 | 6755,83 | 67.792 | 6839.75 | 6881.71 | 6923.68 | 6965.64 | 7007.60 | 5 |
| | 7091 52 | 7133.48 | 7175.45 | 7217.41 | 7259.37 | 7301.33 | 7343.29 | 7385.25 | 7427.22 | 7469.18 | 7511.14 | 4 |
| | 7595.06 | 7637.02 | 7678.99 | 7720.95 | 7762,91 | 7804.87 | 7846.83 | 7888.79 | 7930.76 | 7972.72 | 8014.68 | 22 |
| | 8098 60 | 8140.56 | 8182.53 | 8224.49 | 8266.45 | 8308.41 | 8350.37 | 8392.33 | 8434.30 | 8476.26 | 8518.22 | 9 |
| 1 | 8602.14 | 8644,10 | 8686.07 | 8728.03 | 8769.99 | 8811.95 | 8853.91 | 8895.87 | 8937.84 | 8979,80 | 9021.76 | 4 |
| 9063.72 | 9105.68 | 9147.64 | 9189.61 | 9231,57 | 9273.53 | 9315.49 | 9357.45 | 9399.41 | 9441.38 | 9483.34 | 9525.30 | 2 |
| i | 9609.22 | 9651.18 | 9693.15 | 9735.11 | 9777.07 | 9819.03 | 9860.99 | 9902.95 | 9944.92 | 9986.88 | 10028.84 | 13 |
| | 10112.76 | 10154.72 | 10196.69 | 10238.65 | 10280.61 | 10322.57 | 10364.53 | 10406.49 | 10448 46 | 10490.42 | 10532.38 | 2 |
| | 10616.30 | 10658.26 | 10700.23 | 10742.19 | 10784.15 | 10826.11 | 10868.07 | 10910.03 | 10952.00 | 10993.96 | 11035.92 | 17 |
| ╙ | 1119.84 | 11161.80 | 11203.77 | 11245.73 | 11287.69 | 11329.65 | 11371.61 | 11413.57 | 11455.54 | 11497.50 | 11539 45 | 77 |
| , | 11623.38 | 11665.34 | 11707.31 | 11749.27 | 11791.23 | 11833.19 | 11875.15 | 11917.11 | 11959.08 | 12001.04 | 12043.00 | 3 |
| | 12126.92 | 12168.88 | 12210.85 | 12252.81 | 12294.77 | 12336.73 | 12378.69 | 12420.65 | 12462.62 | 12504 58 | 12546.54 | 24 |
| L | 12630.46 | 12672.42 | 12714.39 | 12758.35 | 12798.31 | 12840.27 | 12882.23 | 12924.19 | 12966.16 | 13008 12 | 13050.08 | 52 |
| i | 13134.00 | 13175.96 | 13217.93 | 13259.89 | 13301.85 | 13343.81 | 13385.77 | 13427.73 | 13469.70 | 13511.66 | 13553.62 | 28 |
| 13595.58 1 | 13637 54 | 13679,50 | 13721.47 | 13763.43 | 13805,39 | 13847.35 | 13889.31 | 13931.27 | 13973.24 | 14015.20 | 14057.16 | 27 |
| 1 | 14141.08 | 14183.04 | 14225.01 | 14266.97 | 14308.93 | 14350.89 | 14392.85 | 14434.81 | 14476.78 | 14518.74 | 14560.70 | 28 |
| <u>↓</u> _ | 14644.62 | 14686.58 | 14728.55 | 14770.51 | 14812.47 | 14854.43 | 14896.39 | 14938.35 | 14980.32 | 15022.28 | 15064.24 | 28 |
| 1 | 15148 16 | 15190.12 | 15232.09 | 15274.05 | 15316.01 | 15357.97 | 15399.93 | 15441.89 | 15483.86 | 15525.82 | 15567.78 | ဂ္ဂ |
| 1- | 15651.70 | 15693.66 | 15735.63 | 15777.59 | 15819.55 | 15861.51 | 15903.47 | 15945.43 | 15987.40 | 16029.36 | 16071.32 | સ |
| 1_ | 16155 24 | 16197 20 | 16239.17 | 16281.13 | 16323.09 | 16365.05 | 16407.01 | 16448.97 | 16490.94 | 16532.90 | 16574.86 | 32 |
| \perp | 16658 78 | 1670074 | 16742.71 | 16784.67 | 16826.63 | 16868.59 | 16910.55 | 16952.51 | 16994.48 | | 17078.40 | 33 |
| 4 | 17162 32 | 1720428 | 17246.25 | 17288.21 | 17330.17 | 17372.13 | 17414.09 | 17456.05 | 17498.02 | 17539.98 | 17581.94 | 34 |
| 1_ | 17665.86 | 17707 82 | 17749.79 | 17791.75 | 17833.71 | 17875.67 | 17917.63 | 17959.59 | 18001.56 | 18043.52 | 18085.48 | 35 |
| 1 | 18169 40 | 18211.36 | 18253.33 | 18295.29 | 18337.25 | 18379.21 | 18421.17 | 18463.13 | 18505.10 | 18547.06 | 18589.02 | 36 |
| | 18672.94 | 18714.90 | 18756.87 | 18798.83 | 18840.79 | 18882.75 | 18924.71 | 18966.67 | 19008.64 | 19050.60 | 19092.56 | 37 |
| 1913452 | 19176 48 | 19218 44 | 19260,41 | 19302.37 | 19344.33 | 19386.29 | 19428.25 | 19470.21 | 19512.18 | | 19596.10 | 38 |
| _ | 19680.02 | 19721.98 | 19763.95 | 19805.91 | 19847.87 | 19889.83 | 19931.79 | 19973.75 | 20015.72 | 20057.68 | 20099.64 | 38 |
| 1 | | | | | | | | | | | | • |

| | | | Feet | 0 | - | 2 | e0 | 4 | 9 | 9 | 7 | œ | တ | 10 | Ξ | 12 | 13 | 4 | 15 | 16 | 17 | 9 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 53 | 99 | 6 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | \$ |
|---------|------------------------------|--------|------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|
| | | | + | 461.58 | 965.12 | 1468.66 | 1972.20 | 2475.74 | 2979.28 | 3482.82 | 3986.36 | 4489.90 | 4993.44 | 5496.98 | 6000.52 | 6504.06 | 7007,60 | 7511.14 | 8014.68 | 8518.22 | 9021.76 | 9525.30 | 10028.84 | 10532.38 | 11035.92 | 11539.46 | 12043.00 | 12546.54 | 13050.08 | 13553.62 | 14057.16 | 14560.70 | 15064.24 | 15567.78 | 16071.32 | 16574.86 | 17078.40 | 17581.94 | 18085.48 | 18589.02 | 19092.56 | 19596.10 | 20099.64 | _ |
| | | | 9 | 419.62 | 923.16 | 1426.70 | 1930,24 | 2433.78 | 2937.32 | 3440.86 | 3944.40 | 4447.94 | 4951.48 | 5455.02 | 5958.56 | 6462.10 | 6965.64 | 7469.18 | 7972.72 | 8476.26 | 8979.80 | | | | _ | | _ | | | | | | 15022.28 | 15525.82 | | _ | | | 1 | 18547.06 | 19050.60 | | 20057.68 | |
| | | | 6 | 377.66 | 881.20 | 1384.74 | 1888.28 | 2391.82 | 2895.36 | 3398.90 | 3902.44 | 4405.98 | 4909.52 | 5413.06 | 5916.60 | 6420.14 | 6923.68 | 7427.22 | 7930.76 | 8434.30 | 8937.84 | 9441.38 | 9944.92 | 10448.46 | 10952.00 | 11455.54 | 11959.08 | 12462.62 | 12966.16 | 13469.70 | 13973.24 | 14476.78 | 14980.32 | 15483.86 | 15987.40 | 16490.94 | 16994.48 | 17498.02 | 18001.56 | 18505.10 | 19008.64 | 19512.18 | 20015.72 | |
| | | | ∞ | 335.69 | 839.23 | 1342.77 | 1846.31 | 2349.85 | 2853.39 | 3356.93 | 3860.47 | 4364.01 | 4867.55 | 5371.09 | 5874.63 | 6378.17 | 6881.71 | 7385.25 | 7888.79 | 8392.33 | 8895.87 | 9399.41 | 9902.95 | 10406.49 | 10910.03 | 11413.57 | 11917.11 | 12420.65 | 12924.19 | 13427.73 | 13931.27 | 14434.81 | 14938.35 | 15441.89 | 15945.43 | 16448.97 | 16952.51 | 17456.05 | 17959.59 | 18463.13 | 18966.67 | 19470.21 | 19973.75 | |
| | ls) | | 7 | 293.73 | 797.27 | 1300.81 | 1804.35 | 2307.89 | 2811.43 | 3314.97 | 3818.51 | 4322.05 | 4825.59 | 5329.13 | 5832,67 | 6336.21 | 6839,75 | 7343,29 | 7846.83 | 8350,37 | 8853.91 | 9357,45 | 9860,99 | 10364.53 | 10868.07 | 11371.61 | 11875.15 | 12378.69 | 12882.23 | 13385.77 | 13889.31 | 14392.85 | 14896.39 | 15399,93 | 15903.47 | 16407.01 | 16910.55 | 17414.09 | 17917.63 | 18421.17 | 18924.71 | 19428.25 | 19931.79 | |
| | 40' 0" HIGH (20,141 barrels) | | 9 | 251.77 | 755.31 | 1258.85 | 1762.39 | 2265.93 | 2769.47 | 3273.01 | 3776.55 | 4280.09 | 4783.63 | 5287.17 | 5790.71 | 6294.25 | 67.7679 | 7301.33 | 7804.87 | 8308.41 | 8811.95 | 9315.49 | 9819.03 | 10322.57 | 10826.11 | 11329.65 | 11833.19 | 12336.73 | 12840.27 | 13343.81 | 13847.35 | 14350.89 | 14854.43 | 15357.97 | 15861.51 | 16365.05 | 16868.59 | 17372.13 | 17875.67 | 18379.21 | 18882.75 | 19386.29 | 19889.83 | |
| TANK C3 | 0" HIGH (20 | Inches | တ | 209.81 | 713.35 | 1216.89 | 1720.43 | 2223.97 | 2727.51 | 3231.05 | 3734.59 | 4238.13 | 4741.67 | 5245.21 | 5748.75 | 6252.29 | 6755.83 | 7259.37 | 7762.91 | 8266.45 | 8769.99 | 9273.53 | 70'11'6 | 10280.61 | 10784.15 | 11287.69 | 11791.23 | 12294.77 | 12798.31 | 13301.85 | 13805.39 | 14308.93 | 14812.47 | 15316.01 | 15819,55 | 16323.09 | 16826.63 | 17330.17 | 17833.71 | 18337.25 | 18840.79 | 19344.33 | 19847.87 | |
| | 60' 0" I.D. X 40' | | 4 | 167.85 | 671.39 | 1174.93 | 1678.47 | 2182.01 | 2685.55 | 3189.09 | 3692.63 | 4196.17 | 4699.71 | 5203.25 | 5706.79 | 6210.33 | 6713.87 | 7217.41 | 7720.95 | 8224.49 | 8728.03 | 9231.57 | 9735.11 | 10238.65 | 10742.19 | 11245.73 | 11749.27 | 12252.81 | 12756.35 | 13259.89 | 13763.43 | 14266.97 | 14770.51 | 15274.05 | 15777.59 | 16281.13 | 16784.67 | 17288.21 | 17791.75 | 18295.29 | 18798.83 | 19302.37 | 19805.91 | |
| | 0.09 | | 3 | 125.89 | 629.43 | 1132.97 | 1636.51 | 2140.05 | 2643.59 | 3147.13 | 3650.67 | 4154.21 | 4657.75 | 5161.29 | 5664.83 | 6168.37 | 6671.91 | 7175.45 | 7678.99 | 8182.53 | 8686.07 | 9189.61 | 9693,15 | 10196.69 | 10700.23 | 11203.77 | 11707.31 | 12210.85 | 12714.39 | 13217.93 | 13721.47 | 14225.01 | 14728.55 | 15232.09 | 15735.63 | 16239.17 | 16742.71 | 17246.25 | 17749.79 | 18253.33 | 18756.87 | 19260.41 | 19763.95 | |
| | | | 7 | 83,92 | 587.46 | 1091.00 | 1594.54 | 2098,08 | 2601.62 | 3105,16 | 3608 70 | 4112.24 | 4615.78 | 5119.32 | 5622.86 | 6126,40 | 6629.94 | 7133,48 | 7637.02 | 8140,56 | 8644.10 | 9147.64 | 9651.18 | 10154,72 | 10658.26 | 11161.80 | 11665,34 | 12168.88 | 12672.42 | 13175.96 | 13679.50 | 14183.04 | 14686.58 | 15190.12 | 15693.66 | 16197.20 | 16700.74 | 17204.28 | 17707.82 | 18211.36 | 18714.90 | 19218.44 | 19721.98 | |
| | | | | 41.96 | 545.50 | 1049.04 | 1552,58 | 2056.12 | 2559.66 | 3063.20 | 3566.74 | 4070 28 | 4573.82 | 5077.36 | 5580,90 | 6084,44 | 6587.98 | 7091,52 | 7595,06 | 8098.60 | 8602.14 | 9105.68 | 9609.22 | 10112.76 | 10616.30 | 11119.84 | 11623.38 | 12126.92 | 12630.46 | 13134.00 | 13637.54 | 14141.08 | 14644.62 | 15148.16 | 15651.70 | 16155.24 | 16658.78 | 17162.32 | 17665.86 | 18169.40 | 18672.94 | 19176.48 | 19680,02 | |
| | | | 0 | | 503.54 | 1007.08 | 1510.62 | 2014.16 | 2517 70 | 3021.24 | 3524 78 | 4028.32 | 4531.86 | 5035.40 | 5538,94 | 6042.48 | 6546.02 | 7049.56 | 7553.10 | 8056.64 | 8560.18 | 9063,72 | - | 1 | 10574.34 | 11077.88 | 11581.42 | 12084.96 | 12588.50 | 13092.04 | 13595.58 | 14099.12 | 14602.66 | | 15609.74 | 16113.28 | 16616.82 | 17120.36 | 17623.90 | 18127.44 | 18630.98 | 19134.52 | 19638.06 | 0077 |
| | | | Feet | 0 | - | 2 | 6 | 4 | 20 | 9 | _ | . œ | 6 | 92 | 17 | 12 | 13 | 4 | 16 | 16 | 17 | 20 | 19 | 20 | 21 | 22 | 23 | | | 26 | 27 | 78 | 59 | 30 | 31 | 32 | 33 | 34 | 36 | 36 | 37 | 38 | 39 | 9 |

| | | | ŭ. | | | | က | | | | | _ | | | | | | | | | | | | 20 | | | | | | | 3 27 | | | | | 5 |
|---------|-----------------|--------|------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|---|
| | | | = | 143.89 | 300.86 | 457.83 | 614.80 | 771.77 | 928.74 | 1085.71 | 1242.68 | 1399.65 | 1556.62 | 1713.59 | 1870.56 | 2027.53 | 2184.50 | 2341.47 | 2498.44 | 2655.41 | 2812.38 | 2969.35 | 3126.32 | 3283.29 | 3440.26 | 3597.23 | 3754.20 | 3911.17 | 4068.14 | 4225.1 | 4382.08 | 4539.05 | 4696.02 | 4852.99 | \$00 6.96 | |
| | | | 9 | 130.81 | 287.78 | 444.75 | 601.72 | 758.69 | 915.66 | 1072.63 | 1229.60 | 1386.57 | 1543.54 | 1700.51 | 1857.48 | 2014.45 | 2171.42 | 2328.39 | 2485.36 | 2642.33 | 2799.30 | 2956.27 | 3113.24 | 3270.21 | 3427.18 | 3584.15 | 3741.12 | 3898.09 | 4055.06 | 4212.03 | 4369.00 | 4525.97 | 4682.94 | 4839.91 | 4996.88 | |
| | | | တ | 117.73 | 274.70 | 431.67 | 588.64 | 745.61 | 902.58 | 1059.55 | 1216.52 | 1373.49 | 1530.46 | 1687.43 | 1844.40 | 2001.37 | 2158.34 | 2315.31 | 2472.28 | 2629.25 | 2786.22 | 2943.19 | 3100.16 | 3257.13 | 3414.10 | 3571.07 | 3728.04 | 3885.01 | 4041.98 | 4198.95 | 4355.92 | 4512.89 | 4669.86 | 4826.83 | 4983.80 | |
| | | | æ | 104.65 | 261.62 | 418.59 | 575.56 | 732.53 | 889.50 | 1046.47 | 1203.44 | 1360.41 | 1517.38 | 1674.35 | 1831.32 | 1988.29 | 2145.26 | 2302.23 | 2459.20 | 2616.17 | 2773.14 | 2930.11 | 3087.08 | 3244.05 | 3401.02 | 3557.99 | 3714.96 | 3871.93 | 4028.90 | 4185.87 | 4342.84 | 4499.81 | 4656.78 | 4813.75 | 4970.72 | - |
| | s) | | 7 | 91.57 | 248.54 | 405.51 | 562.48 | 719.45 | 876.42 | 1033,39 | 1190.36 | 1347.33 | 1504.30 | 1661.27 | 1818.24 | 1975.21 | 2132.18 | 2289.15 | 2446.12 | 2603.09 | 2760.06 | 2917.03 | 3074.00 | 3230.97 | 3387.94 | 3544.91 | 3701.88 | 3858.85 | 4015.82 | 4172.79 | 4329.76 | 4486.73 | 4643.70 | 4800.67 | 4957.64 | |
| | (5,023 barrels | | 9 | 78.49 | 235,46 | 392.43 | 549.40 | 706.37 | 863.34 | 1020.31 | 1177.28 | 1334,25 | 1491.22 | 1648,19 | 1805.16 | 1962,13 | 2119.10 | 2276.07 | 2433.04 | 2590.01 | 2746.98 | 2903.95 | 3060.92 | 3217.89 | 3374.86 | 3531.83 | 3688.80 | 3845,77 | 4002.74 | 4159.71 | 4316.68 | 4473.65 | 4630.62 | 4787.59 | 4944.56 | |
| TANK D4 | 32' 0" HIGH (5, | Inches | 2 | 65.40 | 222.37 | 379.34 | 536.31 | 693.28 | 850.25 | 1007.22 | 1164.19 | 1321.16 | 1478.13 | 1635.10 | 1792.07 | 1949,04 | 2106.01 | 2262.98 | 2419.95 | 2576,92 | 2733.89 | 2890.86 | 3047.83 | 3204.80 | 3361.77 | 3518.74 | 3675.71 | 3832.68 | 3989.65 | 4146.62 | 4303.59 | 4460.56 | 4617.53 | 4774.50 | 4931.47 | j |
| <u></u> | × | | 4 | 52.32 | 209.29 | 366.26 | 523.23 | 680.20 | 837.17 | 994.14 | 1151.11 | 1308.08 | 1465.05 | 1622.02 | 1778.99 | 1935.96 | 2092.93 | 2249.90 | 2406.87 | 2563.84 | 2720.81 | 2877.78 | 3034.75 | 3191.72 | 3348.69 | 3505.66 | 3662.63 | 3819.60 | 3976.57 | 4133.54 | 4290.51 | 4447.48 | 4604.45 | 4761.42 | 4918.39 | |
| _ | 33' 6" I.D. | | 8 | 39.24 | 196.21 | 353.18 | 510.15 | 667.12 | 824.09 | 981.06 | 1138.03 | 1295.00 | 1451.97 | 1608.94 | 1765.91 | 1922.88 | 2079.85 | 2236.82 | 2393.79 | 2550.76 | 2707.73 | 2864.70 | 3021.67 | 3178,64 | 3335.61 | 3492.58 | 3649.55 | 3806.52 | 3963.49 | 4120.46 | 4277.43 | 4434.40 | 4591.37 | 4748.34 | 4905.31 | |
| | | | 2 | 26.16 | 183.13 | 340.10 | 497.07 | 654 04 | 811.01 | 967.98 | 1124.95 | 1281.92 | 1438.89 | 1595.86 | 1752.83 | 1909.80 | 2066,77 | 2223.74 | 2380.71 | 2537.68 | 2694 65 | 2851.62 | 3008.59 | 3165.56 | 3322.53 | 3479.50 | 3636.47 | 3793.44 | 3950.41 | 4107.38 | 4264.35 | 4421.32 | 4578.29 | 4735.26 | 4892.23 | |
| | | | - | 14.15 | 170,05 | 327.02 | 483.99 | 640.96 | 797.93 | 954.90 | 1111,87 | 1268.84 | 1425.81 | 1582.78 | 1739.75 | 1896.72 | 2053.69 | 2210.66 | 2367.63 | 2524.60 | 2681.57 | 2838.54 | 2995.51 | 3152.48 | 3309.45 | 3466.42 | 3623.39 | 3780,36 | 3937.33 | 4094.30 | 4251.27 | 4408.24 | 4565.21 | 4722.18 | 4879.15 | + |
| | | | 0 | | 156.97 | 313.94 | 470.91 | 627.88 | 784.85 | 941.82 | L | | | 1569.7 | 1726.67 | | 2040.61 | 2197.58 | 2354.55 | 2511 52 | 2668.49 | 2825.46 | 2982 43 | 3139.4 | 3296.37 | 3453.34 | 3610.31 | 3767.28 | 3924.25 | 4081.22 | 4238.19 | 4395.16 | 4552.13 | 4709.1 | 4866.07 | |
| | - | - | Feet | 0 | - | 2 | (1) | 4 | | 9 | 7 | 000 | 6 | 10 | 1. | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 202 | 24 | 22 | 23 | 24 | 25 | 78 | 27 | 28 | 29 | 30 | 31 | |

| | | | | | | | | | | | | | | | | ٠ | | | | | | | | | | | | | | | | | | | | |
|---------|-------------------------|--------|------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|
| | | | Feet | 0 | - | 7 | က | 4 | w | တ | 7 | ထ | Ø | 9 | 7 | 12 | 13 | 4 | 15 | 16 | 17 | 28 | 19 | 20 | 77 | 22 | 23 | 24 | 25 | 92 | 27 | 78 | 29 | 30 | 31 | 32 |
| | | | = | 143.89 | 300.86 | 457.83 | 614.80 | 771.77 | 928.74 | 1085.71 | 1242.68 | 1399.65 | 1556.62 | 1713.59 | 1870.56 | 2027.53 | 2184.50 | 2341.47 | 2498.44 | 2655.41 | 2812.38 | 2969.35 | 3126.32 | 3283.29 | 3440.26 | 3597.23 | 3754.20 | 3911.17 | 4068.14 | 4225.11 | 4382.08 | 4539.05 | 4696.02 | 4852.99 | 5009.96 | |
| | | | 9 | 130.81 | 287.78 | 444.75 | 601.72 | 758.69 | 915.66 | 1072.63 | 1229.60 | 1386.57 | 1543.54 | 1700.51 | 1857.48 | 2014.45 | 2171.42 | 2328.39 | 2485.36 | 2642.33 | 2799.30 | 2956.27 | 3113.24 | 3270.21 | 3427.18 | 3584.15 | 3741.12 | 3898.09 | 4055.06 | 4212.03 | 4369.00 | 4525.97 | 4682.94 | 4839.91 | 4996.88 | |
| | | | | 117.73 | 274.70 | 431.67 | 588.64 | 745.61 | 902.58 | 1059.55 | 1216.52 | 1373.49 | 1530.46 | 1687.43 | 1844.40 | 2001.37 | 2158.34 | 2315.31 | 2472.28 | 2629.25 | 2786.22 | 2943.19 | 3100.16 | 3257.13 | 3414.10 | 3571.07 | 3728.04 | 3885.01 | 4041.98 | 4198.95 | 4355.92 | 4512.89 | 4669.86 | 4826.83 | 4983.80 | |
| | | | 8 | 104.65 | 261.62 | 418.59 | 575.56 | 732.53 | 889.50 | 1046.47 | 1203.44 | 1360.41 | 1517.38 | 1674.35 | 1831.32 | 1988.29 | 2145.26 | 2302.23 | 2459.20 | 2616.17 | 2773.14 | 2930.11 | 3087.08 | 3244.05 | 3401.02 | 3557.99 | 3714.96 | 3871.93 | 4028.90 | 4185.87 | 4342.84 | 4499.81 | 4656.78 | 4813.75 | 4970.72 | |
| | S) | | 7 | 91.57 | 248.54 | 405.51 | 562.48 | 719.45 | 876.42 | 1033.39 | 1190.36 | 1347.33 | 1504.30 | 1661.27 | 1818.24 | 1975.21 | 2132.18 | 2289.15 | 2446.12 | 2603.09 | 2760.06 | 2917.03 | 3074.00 | 3230.97 | 3387.94 | 3544.91 | 3701.88 | 3858.85 | 4015.82 | 4172.79 | 4329.76 | 4486.73 | 4643.70 | 4800.67 | 4957.64 | |
| | 0" HIGH (5,023 barrels) | | 9 | 78.49 | 235,46 | 392.43 | 549.40 | 706.37 | 863,34 | 1020.31 | 1177.28 | 1334.25 | 1491.22 | 1648.19 | 1805,16 | 1962,13 | 2119,10 | 2276.07 | 2433.04 | 2590,01 | 2746.98 | 2903,95 | 3060,92 | 3217.89 | 3374.86 | 3531,83 | 3688,80 | 3845.77 | 4002.74 | 4159.71 | 4316.68 | 4473.65 | 4630.62 | 4787.59 | 4944.56 | |
| TANK E5 | 0" HIGH (5 | Inches | 2 | 65.40 | 222.37 | 379.34 | 536.31 | 693.28 | 850.25 | 1007.22 | 1164 19 | 1321.16 | 1478.13 | 1635.10 | 1792.07 | 1949.04 | 2106.01 | 2262.98 | 2419.95 | 2576.92 | 2733.89 | 2890.86 | 3047.83 | 3204.80 | 3361.77 | 3518.74 | 3675.71 | 3832.68 | 3989.65 | 4146.62 | 4303.59 | 4460.56 | 4617.53 | 4774.50 | 4931.47 | |
| | 3' 6" I.D. X 32' | | 4 | 52.32 | 209.29 | 366.26 | 523.23 | 680.20 | 837.17 | 994.14 | 1151.11 | 1308.08 | 1465.05 | 1622.02 | 1778,99 | 1935.96 | 2092.93 | 2249.90 | 2406.87 | 2563.84 | 2720.81 | 2877.78 | 3034.75 | 3191.72 | 3348.69 | 3505.66 | 3662.63 | 3819.60 | 3976.57 | 4133.54 | 4290.51 | 4447.48 | 4604.45 | 4761.42 | 4918.39 | |
| | 33'6' | | 3 | 39.24 | 196.21 | 353.18 | 4- | 1 | 824.09 | 981.06 | | 1295.00 | 1451.97 | | 1765.91 | 1922.88 | 2079.85 | 2236.82 | 2393.79 | | | | | 3178.64 | 3335,61 | 3492,58 | 3649.55 | 3806.52 | 3963,49 | 4120.46 | 4277.43 | 4434.40 | 4591.37 | 4748.34 | 4905.31 | |
| | | | 2 | 26.16 | 183.13 | 340.10 | 497.07 | 654.04 | 811.01 | 967.98 | 1124.95 | 1281.92 | 1438.89 | 1595.86 | 1752.83 | 1909.80 | 2066.77 | 2223.74 | 2380,71 | 2537.68 | 2694.65 | 2851.62 | 3008 59 | 3165.56 | 3322.53 | 3479.50 | 3636.47 | 3793.44 | 3950.41 | 4107.38 | 4264 35 | 4421 32 | 4578.29 | 4735.26 | 4892.23 | |
| | | | - | 14.15 | 170.05 | 327.02 | 483.99 | 640.96 | 797.93 | 954.90 | 1111.87 | 1268.84 | 1425.81 | 1582.78 | 1739.75 | 1896.72 | 2053.69 | 2210.66 | 2367.63 | 2524.60 | 2681.57 | 2838.54 | 2995.51 | 3152.48 | 3309.45 | 3466.42 | 3623.39 | 3780,36 | 3937.33 | 4094.30 | 4251 27 | 4408.24 | 4565.21 | 4722.18 | 4879.15 | |
| | | | 0 | | 156.97 | 313.94 | 470.91 | 627.88 | 784.85 | 941.82 | 1098.79 | 1255.76 | 1412.73 | 1569.7 | 1726.67 | 1883.64 | 2040.61 | 2197.58 | 2354.55 | 2511.52 | 2668.49 | 2825.46 | 2982 43 | 3139.4 | 3296.37 | 3453.34 | 3610,31 | 3767.28 | 3924.25 | 4081.22 | 4238 19 | 4395,16 | 4552.13 | 4709.1 | 4866.07 | 5023.04 |
| | | | Feet | 0 | - | 2 | m | 4 | ıc | 9 | - | 000 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 10 | 200 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 34 | 32 |

| | | Feet | 0 | - | 7 | က | 4 | က | 9 | 7 | œ | တ | 9 | = | 12 | 13 | 14 | 15 | 18 | 17 | 28 | 19 | 8 | 24 | 22 | 23 | 24 | 22 | 5 6 | 27 | 28 | 29 | 30 | 31 | 32 | |
|----------------------------|--------|------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|-----------------|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|-----------------|---------|---|
| | | 11 | 143.89 | 300.86 | 457.83 | 614.80 | 771.77 | 928.74 | 1085.71 | 1242.68 | 1399.65 | 1556.62 | 1713.59 | 1870.56 | 2027.53 | 2184.50 | 2341.47 | 2498.44 | 2655.41 | 2812.38 | 2969.35 | 3126.32 | 32 83.29 | 3440.26 | 3597.23 | 3754.20 | 3911.17 | 4068.14 | 4225.11 | 4382.08 | 4539.05 | 4696.02 | 4852.99 | 200 9.96 | | |
| | | 10 | 130.81 | 287.78 | 444.75 | 601.72 | 758.69 | 915.66 | 1072.63 | 1229.60 | 1386.57 | 1543.54 | 1700.51 | 1857.48 | 2014.45 | 2171.42 | 2328.39 | 2485.36 | 2642.33 | 2799.30 | 2956.27 | 3113.24 | 3270.21 | 3427.18 | 3584.15 | 3741.12 | 3898.09 | 4055.06 | 4212.03 | 4369.00 | 4525.97 | 4682.94 | 4839.91 | 4996.88 | | |
| | | 6 | 117.73 | 274.70 | 431.67 | 588.64 | 745.61 | 902.58 | 1059.55 | 1216.52 | 1373.49 | 1530.46 | 1687.43 | 1844.40 | 2001.37 | 2158.34 | 2315.31 | 2472.28 | 2629.25 | 2786.22 | 2943.19 | 3100.16 | 3257.13 | 3414.10 | 3571.07 | 3728.04 | 3885.01 | 4041.98 | 4198.95 | 4355.92 | 4512.89 | 4669.86 | 4826.83 | 4983.80 | | |
| | | æ | 104.65 | 261.62 | 418.59 | 575.56 | 732.53 | 889.50 | 1046.47 | 1203.44 | 1360.41 | 1517.38 | 1674.35 | 1831.32 | 1988.29 | 2145.26 | 2302.23 | 2459.20 | 2616.17 | 2773.14 | 2930.11 | 3087.08 | 3244.05 | 3401.02 | 3557.99 | 3714.96 | 3871.93 | 4028.90 | 4185.87 | 4342.84 | 4499.81 | 4656.78 | 4813.75 | 4970.72 | | · |
| (8) | | 7 | 91.57 | 248.54 | 405.51 | 562.48 | 719.45 | 876.42 | 1033.39 | 1190.36 | 1347.33 | 1504.30 | 1661.27 | 1818.24 | 1975.21 | 2132.18 | 2289.15 | 2446.12 | 2603.09 | 2760.06 | 2917.03 | 3074.00 | 3230.97 | 3387.94 | 3544.91 | 3701.88 | 3858.85 | 4015.82 | 4172.79 | 4329.76 | 4486.73 | 4643.70 | 4800.67 | 4957.64 | | |
| 023 barre | | 9 | 78.49 | 235,46 | 392,43 | 549.40 | 766.37 | 863,34 | 1020,31 | 1177.28 | 1334.25 | 1491.22 | 1648 19 | 1805.16 | 1962.13 | 2119.10 | 2276,07 | 2433,04 | 2590.01 | 2746.98 | 2903.95 | 3060.92 | 3217.89 | 3374.86 | 3531.83 | 3688.80 | 3845.77 | 4002.74 | 4159.71 | 4316.68 | 4473.65 | 4630.62 | 4787.59 | 4944.56 | | |
| 32' 0" HIGH (5.023 barrels | Inches | 2 | 65.40 | 222.37 | 379.34 | 536.31 | 693.28 | 850.25 | 1007.22 | 1164.19 | 1321.16 | 1478.13 | 1635,10 | 1792.07 | 1949.04 | 2106.01 | 2262.98 | 2419.95 | 2576.92 | 2733.89 | 2890.86 | 3047,83 | 3204.80 | 3361.77 | 3518.74 | 3675.71 | 3832.68 | 3989.65 | 4146.62 | 4303.59 | 4460.56 | 4617.53 | 4774.50 | 4931.47 | | |
| × | | 4 | 52.32 | 209.29 | 366.26 | 523.23 | 680.20 | 837.17 | 994,14 | 1151.11 | 1308.08 | 1465.05 | 1622.02 | 1778.99 | 1935.96 | 2092.93 | 2249.90 | 2406.87 | 2563.84 | 2720.81 | 2877.78 | 3034.75 | 3191.72 | 3348.69 | 3505.66 | 3662.63 | 3819.60 | 3976.57 | 4133.54 | 4290.51 | 4447.48 | 4604.45 | 4761.42 | 4918.39 | | |
| 33, 6" | | 60 | 39.24 | 196.21 | 353.18 | 510.15 | 667.12 | 824.09 | 981.06 | 1138.03 | 1295.00 | 1451.97 | 1608.94 | 1765,91 | 1922.88 | 2079.85 | 2236.82 | 2393.79 | 2550.76 | 2707.73 | 2864.70 | 3021.67 | 3178.64 | 3335.61 | 3492.58 | 3649.55 | 3806.52 | 3963.49 | 4120.46 | 4277.43 | 4434.40 | 4591.37 | 4748.34 | 4905.31 | | |
| | | 2 | 26.16 | 183.13 | 340.10 | 497.07 | 654.04 | 811.01 | 967.98 | 1124.95 | 1281.92 | 1438.89 | 1595.86 | 1752.83 | 1909.80 | 2066.77 | 2223.74 | 2380.71 | 2537.68 | 2694.65 | 2851.62 | 3008.59 | 3165.56 | 3322.53 | 3479.50 | 3636.47 | 3793.44 | 3950.41 | 4107.38 | 4264.35 | 4421.32 | 4578.29 | 4735.26 | 4892.23 | | |
| | | - | 14.15 | 170.05 | 327.02 | 483,99 | 640.96 | 797.93 | 954.90 | 1111.87 | 1268.84 | 1425.81 | 1582.78 | 1739.75 | 1896.72 | 2053.69 | 2210.66 | 2367.63 | 2524.60 | 2681.57 | 2838.54 | 2995.51 | 3152.48 | 3309.45 | 3466.42 | 3623.39 | 3780.36 | 3937.33 | 4094.30 | 4251.27 | 4408.24 | 4565.21 | 4722.18 | 4879.15 | | |
| | | 0 | | 156.97 | 313.94 | 470.91 | 627.88 | 784.85 | 941.82 | 1098.79 | 1255.76 | L_ | : | 1726.67 | 1883.64 | | | 2354.55 | <u> </u> | | 2825.46 | | _ | 1 | 3453.34 | 3610.31 | 3767.28 | 3924.25 | 4081.22 | 4238.19 | 4395.16 | 4552.13 | 4709.1 | 4866.07 | 5023.04 | |
| | | Feet | 0 | - | 2 | 3 | 4 | 5 | 9 | 7 | 80 | 6 | 10 | 1 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 2.1 | 22 | 23 | 24 | 25 | 56 | 27 | 28 | 29 | 30 | 31 | 32 | |

| | | Feet | 0 | - | 2 | e . | 4 4 | 9 | 7 | œ | 6 | 9 | = | 12 | £ : | 76 | 5 2 | 1, | 18 | 2 | 200 | 5 | 77 | 24 | 52 | 26 | 27 | 28 | 53 | 200 | 3 | 70 | 34 | 36 | 36 | 37 | 38 | 39 | 4 |
|---------|------------------------------|------|--------|----------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|----------|---|
| | | 11 | 231.59 | 484.23 | 736.87 | 989.51 | 1242.15 | 1747 43 | 2000.07 | 2252.71 | 2505.35 | 2757.99 | 3010.63 | 3263.27 | 3515.91 | 3768.55 | 40Z1.18 | 4526.47 | 4779.11 | 5031.75 | 5284.39 | 5537.03 | 708.07 | 8294 95 | 6547.59 | 6800.23 | 7052.87 | 7305.51 | 7558 15 | 7810.79 | 8063.43 | 9568 74 | 8821.35 | 9073 99 | 9326.63 | 9579.27 | 9831.91 | 10084.55 | _ |
| | | 9 | 210.53 | 463.17 | 715.81 | 968.45 | 1221.09 | 1726.37 | 1979.01 | 2231.65 | 2484.29 | 2736.93 | 2989.57 | 3242.21 | 3494,85 | 3747.49 | 25.000 | 4505.41 | 4758.05 | 5010.69 | 5263.33 | 5515.97 | 5/68.01 | 6021.25 | 6526.53 | 6779.17 | 7031.81 | 7284.45 | 7537.09 | 7789.73 | 8042.37 | 6235.01 | 20.75 | 9052 93 | 9305.57 | 9558.21 | 9810.85 | 10063.49 | |
| | | 6 | 189.48 | 442.12 | 694.76 | 947.40 | 1200.04 | 1402.00 | 1957.96 | 2210,60 | 2463.24 | 2715.88 | 2968.52 | 3221.16 | 3473.80 | 3726.44 | 39/9.08 | 4484 36 | 4737.00 | 4989.64 | 5242.28 | 5494.92 | 5747.55 | 6000.20 | 6505.48 | 6758.12 | 7010.76 | 7263.40 | 7516.04 | 7768.68 | 8021.32 | 82/3.90 | 8770 24 | 9031 88 | 9284.52 | 9537.16 | 9789.80 | 10042.44 | |
| | - | 00 | 168.43 | 421.07 | 673.71 | 926.35 | 1178.99 | 1431.03 | 1936.91 | 2189.55 | 2442.19 | 2694.83 | 2947.47 | 3200.11 | 3452.75 | 3705.39 | 3958.03 | 4463.31 | 4715.95 | 4968.59 | 5221.23 | 5473.87 | 5726.51 | 5979.15 | 648443 | 6737.07 | 6989.71 | 7242.35 | 7494.99 | 7747.63 | 8000.27 | 8252.91 | 8758 10 | 9010 | 9263.47 | 9516.11 | 9768.75 | 10021.39 | |
| | (s | | 147.37 | 400.01 | 652.65 | 905.29 | 1157.93 | 1410.57 | 1915,85 | 2168 49 | 2421.13 | 2673.77 | 2926.41 | 3179.05 | 3431.69 | 3684.33 | 3936.97 | 4109.01 | 4694.89 | 4947.53 | 5200,17 | 5452.81 | 5705.45 | 5958,09 | 6463 37 | 6716.01 | 6968.65 | 7221.29 | 7473.93 | 7726.57 | 7979.21 | 8231.85 | 8484.49 | 8080 77 | 9242 41 | 9495.05 | 9747.69 | 10000,33 | |
| | ,106 barrel | œ | 126.32 | 378.96 | 631.60 | 884.24 | 1136.88 | 1389.52 | 1804 80 | 2147 44 | 2400.08 | 2652.72 | 2905.36 | 3158.00 | 3410.64 | 3663.28 | 3915.92 | 4108.30 | 4673.84 | 4926.48 | 5179.12 | 5431.76 | 5684.40 | 5937.04 | 0189.00 | 669496 | 6947.60 | 7200.24 | 7452.88 | 7705.52 | 7958.16 | 8210.80 | 8463.44 | 07 6908 | 927136 | 9474 00 | 9726.64 | 9979.28 | |
| TANK G7 | 40' 0" HIGH (10,106 barrels) | 2 | 105.27 | 357.91 | 610.55 | 863.19 | 1115.83 | 1368.47 | 1021.11 | 21.07.0 | 2379,03 | 2631.67 | 2884.31 | 3136.95 | 3389.59 | 3642.23 | 3894.87 | 1147.51 | 4652 79 | 4905.43 | 5158.07 | 5410.71 | 5663.35 | 5915.99 | 6168.63 | 6673.91 | 6926.55 | 7179,19 | 7431.83 | 7684.47 | 7937.11 | 8189.75 | 8442.39 | 0090.03 | 9200 31 | 9452.95 | 1 | 1 | |
| | 6" I.D. X 40° | 4 | 84.21 | 336.85 | 589.49 | 842.13 | 1094.77 | 1347.41 | 00000 | 2405 33 | 2357.97 | 2610.61 | 2863.25 | 3115.89 | 3368.53 | 3621.17 | 3873.81 | 4126.45 | 4631 73 | 4884.37 | 5137.01 | 5389.65 | 5642.29 | 5894.93 | 6147.57 | 6857 85 | 6905.49 | 7158.13 | 7410.77 | 7663.41 | 7916.05 | 8168.69 | 8421.33 | 80/3.9/ | 0470 75 | 9431 89 | 9684.53 | 9937.17 | - |
| | 42.6 | 6 | 63 16 | 315.80 | 568.44 | 821.08 | 1073.72 | 1326.38 | 15/8.00 | 2000 | 2336.92 | 2589.58 | 2842.20 | 3094.84 | 3347.48 | 3600.12 | 3852.78 | 4105.40 | 46.0.6R | 4863.32 | 5115.98 | 5368.60 | 5621.24 | 5873.88 | 6126.52 | 8631 BO | 6884.44 | 7137.08 | 7389.72 | 7642.36 | 7895.00 | 8147.64 | 8400.28 | 26.7.92 | 04.50 | 0410.84 | 9663.48 | 9916.12 | |
| | | • | 42 44 | 294 75 | 547.39 | 800.03 | 1052.67 | 1305.31 | 357.95 | 20.00 | 2315.87 | 2568,51 | 2821.15 | 3073.79 | 3326.43 | 3579.07 | 3831,71 | 4084.35 | 4550.98 4580.63 | 4842.27 | 5094.91 | 5347,55 | 5600.19 | 5852,83 | 6105.47 | 8640.75 | 6863.39 | 7116.03 | 7368.67 | 7621.31 | 7873.95 | 8126,59 | 8379.23 | 8031.87 | 04.97 | 0380 70 | 9642.43 | 9895 07 | |
| | | | 2,02 | 273.69 | 526.33 | 778.97 | 1031.61 | 1284.25 | 1536.89 | 20,00 | 2204.17 | 2547.45 | 2800.09 | 3052.73 | 3305.37 | 3558.01 | 3810,65 | 4063.29 | 45.00 45.60 57 | 4821 21 | 5073.85 | 5326.49 | 5579.13 | 5831.77 | 6084.41 | 0337,00 | 6842 33 | 7094.97 | 7347.61 | 7600,25 | 7852,89 | 8105.53 | 8358.17 | 8610.81 | 9003.40 | 91 10.09 | 9624.37 | 9874 01 | |
| - | | • | > | 252.64 | 505 28 | 757.92 | 1010.56 | 1263.20 | 1515.84 | 1/00.40 | 2021.12 | 2526 40 | 2779.04 | 3031.68 | 3284,32 | 3536.96 | 3789.60 | 4042.24 | 4294.80 | 4800 16 | 5052.80 | 5305.44 | 5558.08 | 5810.72 | 6063.36 | 6316.00 | 821.28 | 7073 92 | 7326.56 | 7579.20 | 7831.84 | 8084.48 | 8337.12 | 8589.76 | 8842.40 | 9030.04 | 9547.00 | 9857 96 | 1 |
| | | 1 | 120 | - | - ~ | 4 00 | 4 | မ | 9 | | x | 9 6 | 2 = | 12 | 13 | 14 | 50 | 92 | 2 | <u> </u> | 20 | 21 | 22 | 23 | 24 | 22 | 27 | 38 | 23 | 30 | 31 | 32 | 33 | 34 | 35 | 92 | 3 8 | 3 8 | 3 |

| | | 1001 | ובפו | 3 | - | 2 | ဂ | 4 | ф | 9 | 7 | ∞ | æ | 9 | 7 | - 62 | 4 6 | 2 7 | <u> </u> | 2 | <u>و</u> ا | 1/ | <u>2</u> | | | 2 | 22 | 23 | | | 58 | 27 | | | | | 32 | 33 | ļ | | 98 | | | 39 | 40 |
|----------|--|--------|------|----------|--------|--------|--------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|----------|------------|------------|---------|----------|---------|---------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--|
| | | ** | | 231.59 | 484.23 | 736.87 | 989.51 | 1242.15 | 1494.79 | 1747.43 | 2000.07 | 2252 71 | 2505.35 | 2757 90 | 3040.53 | 3063.07 | 3545.04 | 3769 55 | 00.0075 | 4021.19 | 4273.83 | 4526.47 | 4779.11 | 5031.75 | 5284.39 | 5537.03 | 5789.67 | 6042.31 | 6294.95 | 6547,59 | 6800.23 | 7052.87 | 7305.51 | 7558.15 | 7810.79 | 8063.43 | 8316.07 | 8568.71 | 8821.35 | 9073.99 | 9326.63 | 9579.27 | 9831.91 | 10084.55 | |
| | | 4 | 2 | 210.53 | 463.17 | 715.81 | 968.45 | 1221.09 | 1473.73 | 1726.37 | 1979.01 | 2231 65 | 2484 29 | 2738 Q3 | 200.00 | 2000.01 | 3242.21 | 0464.00 | 5/4/5 | 4000 13 | 4252.77 | 4505.41 | 4758.05 | 5010.69 | 5263.33 | 5515.97 | 5768.61 | 6021.25 | 6273.89 | 6526.53 | 6779.17 | 7031.81 | 7284.45 | 7537.09 | 7789.73 | 8042.37 | 8295.01 | 8547.65 | 8800.29 | 9052.93 | 9305.57 | 9558.21 | 9810.85 | 10063.49 | |
| | | | 20 | 189.48 | 442.12 | 694.76 | 947.40 | 1200.04 | 1452.68 | 1705.32 | 1957.96 | 2210.00 | 2463.24 | 2745 BB | 00.01/2 | 2500.02 | 3221.10 | 04/00 | 3/20.44 | 3979.08 | 4231.72 | 4484.36 | 4737 00 | 4989.64 | 5242.28 | 5494.92 | 5747.56 | 6000.20 | 6252.84 | 6505.48 | 6758.12 | 7010.76 | 7263.40 | 7516.04 | 7768.68 | 8021.32 | 8273.96 | 8526.60 | 8779.24 | 9031.88 | 9284.52 | 9537.16 | 9789.80 | 10042.44 | |
| | | | 00 | 168.43 | 421.07 | 673.71 | 926.35 | 1178.99 | 1431.63 | 1684.27 | 1936 91 | 2180.55 | 20.00 | 2604 83 | 2034.03 | 2347.47 | 3200.1 | 3407.73 | 3/02.39 | 3958.03 | 4210.67 | 4463.31 | 4715.95 | 4968.59 | 5221.23 | 5473.87 | 5726.51 | 5979.15 | 6231.79 | 6484.43 | 6737.07 | 6989.71 | 7242.35 | 7494.99 | 7747.63 | 8000.27 | 8252.91 | 8505.55 | 8758.19 | 9010.83 | 9263.47 | 9516.11 | 9768.75 | 10021.39 | |
| | S) | | 7 | 147.37 | 400.01 | 652.65 | 905.29 | 1157.93 | 1410.57 | 1663.21 | 1015 85 | 2188 40 | 24.00.42 | 0679 77 | 20/3.77 | 430.41 | 37/3/05 | 3431.69 | 3684.33 | 3936.97 | 4189.61 | 4442.25 | 4694.89 | 4947.53 | 5200.17 | 5452.81 | 5705.45 | 5958.09 | 6210.73 | 6463.37 | 6716.01 | 6968,65 | 7221.29 | 7473.93 | 7726.57 | 7979.21 | 8231.85 | 8484.49 | 8737.13 | 8989.77 | 9242.41 | 9495.05 | 9747.69 | 10000.33 | |
| | ,106 barrel | | 9 | 126.32 | 378.96 | 631.60 | 884.24 | 1136.88 | 1389.52 | 1642 16 | 1804 80 | 24 47 47 | 14.74 | 00,00 | 7/7027 | 2802.35 | 3158.00 | 3410.64 | 3663.28 | 3915.92 | 4168.56 | 4421.20 | 4673.84 | 4926.48 | 5179.12 | 5431.76 | 5684.40 | 5937.04 | 6189.68 | 6442.32 | 6694.96 | 6947.60 | 7200.24 | 7452.88 | 7705.52 | 7958.16 | 8210.80 | 8463.44 | 8716.08 | 8968.72 | 9221.36 | 9474.00 | 9726.64 | 9979.28 | |
| TANK H8 | 42' 6" I.D. X 40' 0" HIGH (10,106 barrels) | Inches | 9 | 105.27 | 357.91 | 610.55 | 863.19 | 1115.83 | 1368.47 | 1621 11 | 1072 75 | 27.00 | 21.20.33 | 20,8/27 | 7631.67 | 2884.31 | 3136.95 | 3389.59 | 3642.23 | 3894.87 | 4147.51 | 4400.15 | 4652.79 | 4905.43 | 5158.07 | 5410.71 | 5663,35 | 5915.99 | 6168.63 | 6421.27 | 6673.91 | 6926.55 | 7179.19 | 7431.83 | 7684.47 | 7937.11 | 8189.75 | 8442.39 | 8695.03 | 8947.67 | 9200.31 | 9452.95 | 9705.59 | 9958.23 | |
| _ | 1.D. X 40' | | 4 | 84.21 | 336.85 | 589.49 | 842.13 | 1094.77 | 1347 41 | 1600.05 | 4050.00 | 1007.09 | Z100.33 | 78.7057 | 2610.61 | 2863.25 | 3115.89 | 3368.53 | 3621.17 | 3873.81 | 4126.45 | 4379.09 | 4631.73 | 4884.37 | 5137.01 | 5389.65 | 5642.29 | 5894.93 | 6147.57 | 6400.21 | 6652.85 | 6905.49 | 7158.13 | 7410.77 | 7663.41 | 7916.05 | 8168.69 | 8421.33 | 8673.97 | 8926.61 | 9179.25 | 9431.89 | 9684.53 | 9937.17 | * |
| | 45, 6 | | 3 | 63.16 | 315.80 | 568.44 | 821.08 | 1073.72 | 1326.38 | 1579.00 | 20.00 | 20.00 | 2004.20 | 2330.92 | 2589.56 | 2842.20 | 3094.84 | 3347.48 | 3600.12 | 3852.76 | 4105.40 | 4358.04 | 4610.68 | 4863.32 | 5115.98 | 5368.60 | 5621.24 | 5873.88 | 6126.52 | 6379.18 | 6631.80 | 6884.44 | 7137.08 | 7389.72 | 7642.38 | 7895.00 | 8147.64 | 8400.28 | 8652.92 | 8905.56 | 9158.20 | 9410.84 | 9663.48 | 9916.12 | |
| - | | | 7 | 42.11 | 294.75 | 547.39 | 800 03 | 1052.67 | 1305 31 | 1557.05 | 20,000 | 1810.59 | 2003.23 | 2315.87 | 2568.51 | 2821.15 | 3073.79 | 3326,43 | 3579.07 | 3831.71 | 4084.35 | 4336.99 | 4589.63 | 4842.27 | 5094.91 | 5347.55 | 5600,19 | 5852.83 | 6105.47 | 6358.11 | 6610.75 | 6863.39 | 7116.03 | 7368.67 | 7621.31 | 7873.95 | 8126 59 | 8379.23 | 8631.87 | 8884.51 | 9137.15 | 9389.79 | 9642 43 | 9895.07 | יייייייייייייייייייייייייייייייייייייי |
| | | | - | 21.05 | 273.69 | 526.33 | 778.97 | 1031 61 | 1084 OF | 1536 90 | 1350.09 | 1/89.53 | 2042.17 | 2294.81 | 2547.45 | 2800.09 | 3052,73 | 3305.37 | 3558,01 | 3810.65 | 4063.29 | 4315.93 | 4568,57 | 4821.21 | 5073.85 | 5326.49 | 5579.13 | 5831.77 | 6084 41 | 6337 05 | 6589 69 | 6842.33 | 7094.97 | 7347.61 | 7600.25 | 7852 89 | 8105 53 | 8358 17 | 8610.81 | 8863.45 | 9116 09 | 9368 73 | 9621.37 | 9874 01 | 2.4 |
| | - | | 0 | | 252.64 | 505.28 | 757 92 | 1010 56 | 1283.30 | 4545 94 | 10.00 | 1768.48 | 2021.12 | 2273.76 | 2526.40 | 2779.04 | 3031.68 | 3284.32 | 3536.96 | 3789.60 | 4042.24 | 4294.88 | 4547.52 | 4800 16 | 5052.80 | 5305.44 | 5558.08 | 5810.72 | 6063.36 | 6316.00 | 6568 64 | 6821 28 | 7073 92 | 7326.56 | 7579.20 | 7831 84 | 8084 48 | 8337 12 | 8589 76 | 8842.40 | 9095 04 | 9347 68 | 960032 | 9000.32 | 3002.30 |
| <u>.</u> | | | Feet | 0 | - | 2 | . ~ | 2 | + 4 | p | ا ٥ | - | 00 | တ | 9 | 11 | 12 | 13 | 14 | 15 | 95 | 12 | . 00 | 9 | 20 | 21 | 22 | 23 | 24 | 26 | 28 | 27 | 28 | 29 | 8 | 3 | 5 2 | 33 | 34 | 35 | 38 | 3,2 | oc. | 9 0 | 00 |

| | | Foot | 6 | - | 2 | | 4 | 10 | 9 | 7 | œ | on ! | 9 | = | 27 | 2 | 4 | 2 9 | 2 2 | = 6 | 19 | 20 | 24 | 27 | 23 | 25 | 58 | 27 | 28 | 29 | 8 | 2 | 3 | 34 | 35 | 36 | 37 | 38 | 88 |
|---------|--|--------|--------|--|--------|--------|---------|---------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------|-------------------|----------|----------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|----------------------------|---------|----------------|----------|---------------------|---------|----------|
| | | 7 | 231 59 | 484 23 | 736.87 | 280.5 | 1242 15 | 1494 79 | 1747.43 | 2000,07 | 2252.71 | 2505,35 | 2757.99 | 3010.63 | 3263,27 | 12.5 | 3/68.55 | 4021.13 | 42/3.03 AEDE 47 | 4770 11 | 5031.75 | 5284.39 | 5537.03 | 5789.67 | 6042.31 | 65.47.59 | 6800.23 | 7052.87 | 7305.51 | 7558.15 | 7810.79 | 8063.43 | 8568 71 | 8821.35 | 9073.99 | 9326.63 | 9579.27 | 9831.91 | 10084.55 |
| | | ę | 240.53 | 463 17 | 745.81 | 0.00 | 1224 00 | 1473 73 | 1726.37 | 1979.01 | 2231,65 | 2484.29 | 2736.93 | 2989.57 | 3242.21 | 3494.85 | 3747.49 | 4000.13 | 4532.77 | 4303.4 4758.05 | 5010.69 | 5263.33 | 5515.97 | 5768.61 | 6021.25 | 62/3.89 | 6779.17 | 7031.81 | 7284.45 | 7537.09 | 7789.73 | 8042.37 | 0.0820 0.0847 0.0847 | 8800 29 | 9052.93 | 9305.57 | 9558.21 | 9810.85 | 10063.49 |
| | | | 180 48 | 442.12 | 207 78 | 047.70 | 12000 | 1452 68 | 1705.32 | 1957.96 | 2210.60 | 2463.24 | 2715.88 | 2968.52 | 3221.16 | 3473.80 | 3726.44 | 3979.08 | 4231.72 | 4404.30 | 4989.64 | 5242.28 | 5494.92 | 5747.56 | 8000.20 | 6252.84 | 6758 12 | 7010.76 | 7263.40 | 7516.04 | 7768.68 | 8021.32 | 82/3.90 | 8779.00 | 9031.88 | 9284.52 | 9537.16 | 9789.80 | 10042.44 |
| | | - | 469.43 | 75, 67 | 421.07 | 078.77 | 4478 00 | 1431 63 | 1684.27 | 1936.91 | 2189.55 | 2442.19 | 2694.83 | 2947.47 | 3200.11 | 3452.75 | 3705.39 | 3958.03 | 4210.67 | 4403.31 | 4968 59 | 5221.23 | 5473.87 | 5726.51 | 5979.15 | 6231.79 | 6737 07 | 6989.71 | 7242.35 | 7494.99 | 7747.63 | 8000.27 | 16.2028 10.00 | 8758 10 | 9010 83 | 9263,47 | 9516.11 | 9768.75 | 10021.39 |
| | s) | 1 | 147 27 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 2.0.0 | 027.00 | 800.29 | 1710 57 | 1663.21 | 1915.85 | 2168,49 | 2421.13 | 2673.77 | 2926.41 | 3179.05 | 3431.69 | 3684.33 | 3936.97 | 4189.61 | 4442.25 | 4947 53 | 5200,17 | 5452.81 | 5705.45 | 5958.09 | 6210.73 | 8718 01 | 6968.65 | 7221.29 | 7473.93 | 7726.57 | 7979.21 | 8231.85 | 8737 43 | 8089 77 | 9242.41 | 9495,05 | 9747.69 | 10000.33 |
| | ,106 barrel | , | 9 | 320.02 | 3/0/30 | 631.60 | 884.24 | 130.08 | 1642 16 | 1894.80 | 2147.44 | 2400.08 | 2652.72 | 2905,36 | 3158.00 | 3410.64 | 3663.28 | 3915,92 | 4168.56 | 4421.20 | 4076 48 | 5179.12 | 5431.76 | 5684.40 | 5937.04 | 6189.68 | 8607.08 | 6947.60 | 7200.24 | 7452.88 | 7705.52 | 7958.16 | 8210.80 | 8403.44 | 0/ 10.00 72 | 9221.36 | 9474.00 | 9726.64 | 92465 |
| TANK 19 |)" HIGH (10 | Inches | 50.02 | 105.27 | 357.91 | 610.55 | 863.19 | 1115.83 | 1306.47 | 1873 75 | 2126.39 | 2379.03 | 2631.67 | 2884.31 | 3136.95 | 3389.59 | 3642.23 | 3894.87 | 4147.51 | 4400.15 | 4005 //3 | 5158.07 | 5410.71 | 5663.35 | 5915.99 | 6168.63 | 6672 04 | 8076 A5 | 7179.19 | 7431.83 | 7684.47 | 7937.11 | 8189.75 | 8442.39 | 8080.03 | 920031 | 9452 95 | 9705.59 | 0058 23 |
| | 42' 6" I.D. X 40' 0" HIGH (10,106 barrels) | | 4 | 84.21 | 336.85 | 589.49 | 842.13 | 1094.77 | 1347.41 | 1852 69 | 2105.33 | 2357.97 | 2610.61 | 2863.25 | 3115.89 | 3368.53 | 3621.17 | 3873.81 | 4126.45 | 4379.09 | 4631./3 | 5137.01 | 5389.65 | 5642.29 | 5894.93 | 6147.57 | 6400.27 | 8005.00 | 7158 13 | 7410.77 | 7663.41 | 7916.05 | 8168.69 | 8421.33 | 80/3.97 | 0320.01 | 9431 89 | 9684.53 | 0037 17 |
| | 42'6' | | 8 | 63.16 | 315.80 | 568.44 | 821.08 | 1073.72 | 1326.36 | 1831.64 | 2084.28 | 2336.92 | 2589.56 | 2842.20 | 3094.84 | 3347.48 | 3600.12 | 3852.78 | 4105.40 | 4358.04 | 4610.68 | 7115 QR | 5368.60 | 5621.24 | 5873.88 | 6126.52 | 6379.18 | 00.1.00 | 7137 OB | 7389.72 | 7642.38 | 7895.00 | 8147.64 | 8400.28 | 8652.92 | 04.58.20 | 9410 84 | 9663.48 | 0016 12 |
| | | | 2 | 42.11 | 294.75 | 547.39 | 800.03 | 1052.67 | 1305.31 | 1840 50 | 2063 23 | 2315.87 | 2568.51 | 2821.15 | 3073,79 | | 3579.07 | 1 | !! | - 1 | - 1 | F004 01 | - 1 | ì | 1 ! | 1 1 | | 6663 30 | ĺ | | i | | - 1 | | 8631.87 | - 1 | - 1 | ı | l |
| | | | - | 27.05 | 273.69 | 526.33 | 778.97 | 1031.61 | 1284.25 | 1700.09 | 2042 17 | 2294.81 | 2547.45 | 2800 09 | 3052.73 | 3305.37 | 3558.01 | 3810.65 | 4063.29 | 4315.93 | 4568.57 | F071.41 | 5326 49 | 5579.13 | 5831.77 | 6084.41 | 6337.05 | 6589.69 | 700407 | 7347.61 | 7600.25 | 7852.89 | 8105.53 | 8358.17 | 8610.81 | 8003.45 | 0368 73 | 9621.37 | 0077 04 |
| | | | 0 | | 252.64 | 505.28 | 757.92 | 1010.56 | 1263.20 | 1010.04 | 00.40 | 273 76 | 2526.40 | 2779.04 | 3031.68 | 3284.32 | 3536.96 | 3789.60 | 4042.24 | 4294.88 | 4547.52 | 4800.10 | 5305 44 | 5558.08 | 5810.72 | 6063,36 | 6316.00 | 6568.64 | 07.1780 | 7326.56 | 7579.20 | 7831.84 | 8084.48 | 8337.12 | 8589.76 | 8842.40 | 9090.04 03.47 88 | 9547.00 | 80 0300 |
| - | + | | Feet | 0 | - | 2 | က | 4 | 1 0 | ופ | | 5 0 | 9 0 | - | 12 | 13 | 4 | 16 | 16 | 17 | 9 | <u>6</u> | 2 6 | 22 | 23 | 24 | 26 | 28 | 7 8 | 29 | 30 | 3 | 32 | 33 | 34 | 32 | 5 5 | 200 | 3 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ٠ |
|----------|-----------------------------------|--------|----------|------------------|------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|---------|---------|---------|--------------------|--------------------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|----------|----------|
| | | L | Tee. | > - | 2 | က | 4 | 20 00 | 0 1 | 8 | 8 | 2 3 | = 6 | 4 62 | 4 | 16 | 16 | 4 | æ 6 | 20 | 21 | 22 | 2 2 | 26 | 26 | 27 | 28 | 8 | 31 | 32 | 3 2 | 36 | 36 | 37 | 38 | 88 | 3 |
| | | | 11 | 484 23 | 736.87 | 989.51 | 1242.15 | 1494.79 | 2000.07 | 2252.71 | 2505.35 | 2757.99 | 3010.03 | 3515.91 | 3768.55 | 4021.19 | 4273.83 | 4526.47 | 4779.11 F034.7E | 528430 | 5537.03 | 5789.67 | 8042.31 | 65.47.59 | 6800.23 | 7052.87 | 7558 15 | 7810.79 | 8063.43 | 8316.07 | 8008./ | 9073 99 | 9326.63 | 9579.27 | 9831.91 | 10084.55 | |
| | | | 10 | 463 17 | 715.81 | 968.45 | 1221.09 | 1473.73 | 1979.01 | 2231.65 | 2484.29 | 2736.93 | 72,000 | 3404 85 | 3747 49 | 4000 13 | 4252.77 | 4505,41 | 4758.05 | 5263 33 | 5515,97 | 5768.61 | 6021.25 | 6526.53 | 6779.17 | 7031.81 | 7284.45 | 7789.73 | 8042.37 | 8295.01 | 8047.00 | 9057.93 | 9305.57 | 9558.21 | 9810.85 | 10063.49 | |
| | | | 60,007 | 442.12 | 694.76 | 947.40 | 1200.04 | 1452.68 | 1957.96 | 2210.60 | 2463.24 | 2715.88 | 76.896Z | 3473.80 | 3726 44 | 3979.08 | 4231.72 | 4484.36 | 4737.00 | 4909.04 5040.08 | 5494.92 | 5747.56 | 6000.20 | 6505 48 | 6758.12 | 7010.76 | 7263.40 | 7768.68 | 8021.32 | 8273.96 | 8526.50 | 9031 88 | 9284.52 | 9537.16 | 9789.80 | 10042.44 | |
| | | | 8 | 424 07 | 673.71 | 926.35 | 1178.99 | 1431.63 | 1936 91 | 2189.55 | 2442.19 | 2694.83 | 2947.47 | 3450 75 | 3705 39 | 3958.03 | 4210.67 | 4463.31 | 4715.95 | 4800.08 F004.03 | 5473.87 | 5726.51 | 5979.15 | 6484 43 | 6737.07 | 6989.71 | 7242.35 | 7747.63 | 8000.27 | 8252.91 | 8505.55 | 9010 83 | 9263.47 | 9516.11 | 9768.75 | 10021.39 | |
| | (S | | 7 | \5.\4\ \6.00\ | 652.65 | 905.29 | 1157.93 | 1410.57 | 1663.21 | 2168.49 | 2421.13 | 2673.77 | 2926.41 | 00/8/10 | 3684.33 | 3936,97 | 4189.61 | 4442.25 | 4694.89 | 5200 47 | 5452,81 | 5705,45 | 5958.09 | 8483 27 | 6716,01 | 6968.65 | 7221.29 | 7728.57 | 7979.21 | 8231.85 | 8484.49 | 8080 77 | 9242.41 | | 9747.69 | | |
| | ,106 barrel | | 9 | 370.32 | 631.60 | 884.24 | 1136.88 | 1389.52 | 1642.16 | 2147.44 | 2400.08 | 2652.72 | 2905.38 | 3440 84 | 3863.04 | 3915.92 | 4168.56 | 4421.20 | 4673.84 | 4926.48 | 5431.76 | 5684.40 | 5937.04 | 8442 32 | 6694.96 | 6947.60 | 7200.24 | 7705.52 | 7958.16 | 8210.80 | 8463.44 | 8068 72 | | • | \rightarrow | L . 1. | |
| TANK 140 | D. X 40' 0" HIGH (10,106 barrels) | Inches | 9 | 105.27 | 610.55 | 863.19 | 1115.83 | 1368.47 | 1621.11 | 2126.39 | 2379.03 | 2631.67 | 2884.31 | 330,80 | 36.40.03 | 3894.87 | 4147.51 | 4400.15 | 4652.79 | 4905.43 | 5410,71 | 5663.35 | 5915.99 | 6704.07 | 6673.91 | 6926.55 | 7179.19 | 7684 47 | 7937.11 | 8189.75 | 8442.39 | 8090.03 | 9200.31 | 9452.95 | 9705.59 | 9958.23 | |
| | 1.D. X 40' | | 4 | 84.21 | 589 49 | 842.13 | 1094.77 | 1347.41 | 1600.05 | 2105.33 | 2357.97 | 2610.61 | 2863.25 | 3115.89 | 3604 47 | 3873.81 | 4126.45 | 4379.09 | 4631.73 | 4884.37 | 5389.65 | 5642.29 | 5894.93 | 6147.57 | 6652.85 | 6905.49 | 7158.13 | 7663.41 | 7916.05 | 8168.69 | 8421.33 | 80/3.9/ | 9179.25 | 9431.89 | 9684.53 | 9937.17 | |
| - | 42.6" . | | 8 | 63.16 | 568 44 | 821.08 | 1073.72 | 1326.36 | 1579.00 | 2084.28 | 2336.92 | 2589.56 | 2842.20 | 3094.84 | 287.40 4.70 | 3852 78 | 4105.40 | 4358.04 | 4610,68 | 4863.32 | 5368.60 | 5621.24 | 5873.88 | 67.20.32 | 6631.80 | 6884.44 | 7137.08 | 7889.72 | 7895.00 | 8147.64 | 8400.28 | 2007.97 | 9158.20 | 9410.84 | 9663.48 | 9916.12 | |
| - | - | | 7 | 42.11 | 547.30 | 800.03 | 1052.67 | 1305.31 | 1557.95 | 2063 23 | 2315.87 | 2568.51 | 2821.15 | 3073,79 | 35.00.43 | 3834 74 | 4084.35 | 4336,99 | 4589,63 | 4842,27 | 5347.55 | 5600.19 | 5852.83 | 6105,47 | 6610.75 | 6863,39 | 7116.03 | 7621 34 | 7873.95 | 8126.59 | 8379.23 | 8631.87 | 9137 15 | 9389 79 | 9642.43 | 9895.07 | |
| | | | - | 21.05 | 578.69 | 78.97 | 1031.61 | 1284.25 | 1536.89 | 2042 17 | 2294.81 | 2547.45 | 2800.09 | 3052.73 | 3305.37 | 3810.85 | 4063.29 | 4315.93 | 4568.57 | 4821.21 | 5376 49 | 5579.13 | 5831.77 | 6084.41 | 6589,69 | 6842.33 | 7094.97 | 7800.25 | 7852.89 | 8105.53 | 8358.17 | 8610.81 | 9116 79 | 9368.73 | 9621.37 | 9874.01 | |
| | | | 0 | 7000 | 252.64 505.28 | 757 92 | 1010,56 | 1263.20 | 1515.84 | 2021 12 | 2273.76 | 2526.40 | 2779.04 | 3031.68 | 3284.32 | 2780.80 | 4042.24 | 4294.88 | 4547.52 | 4800.16 | 5305.44 | 5558.08 | 5810.72 | 9063.36 | 6568.64 | 6821.28 | 7073.92 | 7326.56 | 7831.84 | 8084.48 | 8337.12 | 8589.76 | 9095.04 | 9347.68 | 9600.32 | 9852.96 | 10105.60 |
| - | | | Feet | 0 | | 4 65 | 4 | 9 | 9 | 0 | 6 | 10 | 11 | 72 | 23 | 4 4 | 9 | 17 | 18 | 9 | 20 | 22 | 23 | 24 | 28 | 27 | 78 | 29 | 9 5 | 32 | 33 | 34 | S S | 34 | 38 | 39 | 40 |

| Г | | | T | _ | _ | 1 | T | \top | Τ | T | T | [] | | \neg | T | 7 | Ţ | | | | T | T | | | | T | \top | Τ | Ţ | Τ | | | _ | \top | ٦ |
|----------|------------------------------|--------|--------|--------|--------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|----------|
| | | | Feet | 0 | - | 7 | 8 | 4 0 | ဂ | 2 | . 0 | 6 | 5 | = | 7. | 2 4 | 5 | 18 | | 1 | 2 5 | 21 | | 23 | 24 | - | 27 | 280 | | 30 | | | | | 8 |
| | | | 7 | 259.56 | 542.72 | 825.88 | 1109.04 | 1392.20 | 16/5.30 | 2241 68 | 2524.84 | 2808.00 | 3091.16 | 3374.32 | 365/.48 | 4223 BO | 4506.96 | 4790.12 | 5073.28 | 5356.44 | 5539.50 | 6205 92 | 6489.08 | 6772.24 | 7055.40 | 7338.56 | 707.72 | 8188 04 | 8471.20 | 8754.36 | 9037.52 | 9320.68 | 9603.84 | 9887.00 | |
| | | | 9 | 235.97 | 519.13 | 802.29 | 1085.45 | 1368.61 | 1651.77 | 2218 00 | 2501.25 | 2784.41 | 3067.57 | 3350.73 | 3633.89 | 4200 24 | 4483.37 | 4766.53 | 5049.69 | 5332.85 | 5616.01 | 6187.33 | 6465.49 | 6748.65 | 7031.81 | 7314.97 | 7598.13 | 8164 45 | 8447.61 | 8730.77 | 9013.93 | 9297.09 | 9580.25 | 9863.41 | |
| | | | 6 | 212.37 | 495.53 | 778.69 | 1061.85 | 1345.01 | 1628.17 | 2404 40 | 2477.65 | 2760.81 | 3043.97 | 3327.13 | 3610.29 | 3883.40 | 4459.77 | 4742.93 | 5026.09 | 5309.25 | 5592.41 | 8458 73 | 6441.89 | 6725.05 | 7008.21 | 7291.37 | 75/4.53 | 01/08/08 | 8424.01 | 8707.17 | 8990.33 | 9273.49 | 9556.65 | 9839.81 | |
| | | | 8 | 188.77 | 471.93 | 755.09 | 1038.25 | 1321.41 | 1604.57 | 2170 80 | 2454.05 | 2737.21 | 3020.37 | 3303.53 | 3586.69 | 3869.85 | 4136.17 | 4719.33 | 5002.49 | 5285.65 | 5568.81 | 8425 43 | 6418.29 | 6701.45 | 6984.61 | 7267.77 | 7550.93 | 0447 25 | 8400.41 | 8683.57 | 8966.73 | 9249.89 | 9533.05 | 9816.21 | |
| | ls) | | 7 | 165.18 | 448.34 | 731.50 | 1014.66 | 1297.82 | 1580.98 | 7447 30 | 2430 46 | 2713.62 | 2996.78 | 3279.94 | 3563.10 | 3846.26 | 41258 | 4695.74 | 4978.90 | 5262.06 | 5545.22 | 2020.30 | 6394.70 | 6677.86 | 6961.02 | 7244.18 | 7527.34 | 0810.30 | 8376.82 | 8659.98 | 8943.14 | 9226.30 | 9509.46 | 9792.62 | |
| | .052 barre | | မှ | 141.58 | 424.74 | 707.90 | 991.06 | 1274.22 | 1557.38 | 1840,54 | 2406 RB | 2690,02 | 2973,18 | 3256,34 | 3539.50 | 3822.66 | 4105.82 | 4672.14 | 4955.30 | 5238,46 | 5521.62 | 5004./8 | 6371.10 | 6654.26 | 6937.42 | 7220.58 | 7503.74 | / 86.90 | 8353.22 | 863638 | 8919.54 | 9202.70 | 9485.86 | 9769.02 | 10052.18 |
| TANK K11 | 35" 6" HIGH (10.052 barrels) | Inches | ιΩ | 117.98 | 401.14 | 684.30 | 967.46 | 1250.62 | 1533.78 | 1816.94 | 2383.26 | 2666.42 | 2949.58 | 3232.74 | 3515.90 | 3799.06 | 4082.22 | 4648 54 | 4931.70 | 5214.86 | 5498.02 | 5/81.18 | 6347.50 | 6630.66 | 6913.82 | 7196.98 | 7480.14 | 7763.30 | 8370 67 | 8612 78 | 8895.94 | 9179.10 | 9462.26 | 9745.42 | 10028.58 |
| | 0" I D X 35" | | 4 | 94.39 | 377.55 | 660.71 | 943.87 | 1227.03 | 1510.19 | 1793.35 | 2350.67 | 2642.83 | 2925.99 | 3209.15 | 3492.31 | 3775.47 | 4058.63 | 4624 95 | 4908.11 | 5191.27 | 5474.43 | 5/57.59 | 6323 91 | 6607.07 | 6890.23 | 7173.39 | 7456.55 | 7739.71 | 8022.87 | 8589 19 | 8872.35 | 9155.51 | 9438.67 | 9721.83 | 10004.99 |
| | 45.0" | | 8 | 70.79 | 353.95 | 637.11 | 920.27 | 1203.43 | 1486.59 | 1769.75 | 2052.91 | 2819.07 | 2902.39 | 3185.55 | 3468.71 | 3751.87 | 4035.03 | 4501.35 | 4884.51 | 5167.67 | 5450.83 | 5733.99 | 6300 31 | 6583.47 | 6866.63 | 7149.79 | 7432.95 | 7716.11 | /899.2/ | 8282.43 | 8848 75 | 9131.91 | 9415.07 | 9698.23 | 9981.39 |
| - | | | 2 | 47.19 | 330.35 | <u> </u> | 896.67 | | | _ | - 1 | ı | 2878.79 | 1 | 11 | - 1 | 4011.43 | 4294.09 | 4860.91 | 5144.07 | 5427.23 | 5710.39 | 5993.55 | 6559.87 | 6843.03 | 7126.19 | 7409.35 | 7692.51 | 7975.67 | 8258.83 | 8825 15 | 9108.31 | 9391.47 | 9674.63 | 9957.79 |
| | | | - | 23.59 | 306.76 | 589.92 | 873.08 | 1156.24 | 1439.40 | 1722.56 | 2005.72 | 2572 04 | 2855.20 | 3138,36 | 3421.52 | 3704.68 | 3987.84 | 427 1.00 | 4837,32 | 5120.48 | 5403.64 | 5686.80 | 5969.96 | 6536.28 | 6819.44 | 7102.60 | 7385.76 | 7668.92 | 7952.08 | 8235.24 | 8016.40 | 9084 72 | 9367.88 | 9651.04 | 9934.20 |
| | | | - | > | 283.16 | 566.32 | 849.48 | 1132.64 | | ſ | | 2502.20 | \bot | 1 | 11 | | - 1 | 4247.40 | - i | 1 | 5380.04 | | 5946.36 | 1 | 6795.84 | 7079.00 | 7362.16 | 7645.32 | 7928.48 | 8211.64 | 8484.60 | 906112 | 9344.28 | 9627.44 | 9910.60 |
| - | | | Foot | 300 | - | - ~ | 8 | 4 | 5 | 8 | r (| × 0 | - OF | 1 | 12 | 13 | 4 | 13 | 12 | 18 | 19 | 82 | 22 | 23 | 24 | 25 | 56 | 27 | 28 | 29 | 3, 20 | 30 | 33 | 34 | 35 |

| | <u></u> | | | | T | \neg | 7 | 1 | | | | | Ţ | - | T | | | Τ | _ | T | Ţ | | T | _ | \neg | \top | Т | Τ | T | Τ | Τ | Τ | | | ٦ |
|-----------|-------------------------|--------|------|--------|--------|--------|---------|--------------------|--------------------|---------|---------|----------|---------|--------------|---------|---------|---------|------------|---------|--------------------|---------|---------|---------|---------|---------|----------|---------|---------|---------|--------------------|---------|---------|--------------------|---------|----------|
| |) - | | Feet | 0 | - | 7 | 2 | 40 | 9 | 7 | 80 | 6 | 2 | - 5 | 4 65 | 4 | 15 | <u>ه</u> ا | 7 | 2 6 | 20 | 2 | 22 | ន | 42 | 67 | 2 | 286 | 53 | 8 | 31 | 32 | 33 | 34 | 35 |
| | | | 11 | 259.56 | 542.72 | 825.88 | 1109.04 | 1675.36 | 1958.52 | 2241.68 | 2524.84 | 2808.00 | 3091.10 | 35/4.32 | 3940.64 | 4223.80 | 4506.96 | 4790.12 | 5073.28 | 5639.60 | 5922.76 | 6205.92 | 6489.08 | 6772.24 | 7055.40 | 7.624 72 | 7/170/ | 04000 | 8471 20 | 8754.36 | 9037.52 | 9320.68 | 9603.84 | 9887.00 | |
| | | | 10 | 235.97 | 519.13 | 802.29 | 1085.45 | 1651 77 | 1934.93 | 2218.09 | 2501.25 | 2784.41 | 3067.57 | 3300.73 | 3917.05 | 4200.21 | 4483.37 | 4766.53 | 5049.69 | 5616 01 | 5899.17 | 6182.33 | 6465.49 | 6748.65 | 7031 81 | 7500 42 | 7080 | 87.188/ | 8447.61 | 8730.77 | 9013.93 | 9297.09 | 9580.25 | 9863.41 | |
| | | | 6 | 212.37 | 495.53 | 778.69 | 1061.85 | 1628 17 | 1911.33 | 2194.49 | 2477.65 | 2760.81 | 3043.97 | 3327.13 | 3803 45 | 4176.61 | 4459.77 | 4742.93 | 5026.09 | 5592 41 | 5875.57 | 6158.73 | 6441.89 | 6725.05 | 7008.21 | 7291.37 | 70/4.03 | 785/.08 | 8424 01 | 8707 17 | 8990 33 | 9273.49 | 9556.65 | 9839.81 | |
| | | | 80 | 188.77 | 471.93 | 755.09 | 1038.25 | 1604 57 | 1887.73 | 2170.89 | 2454.05 | 2737.21 | 3020.37 | 3303,53 | 3080.08 | 4153.01 | 4436.17 | 4719.33 | 5002.49 | 5285.00 5568.81 | 5851.97 | 6135.13 | 6418.29 | 6701.45 | 6984.61 | 7267.77 | 7550.93 | 7834.09 | 8400 41 | 8683.57 | 8966 73 | 9249.89 | 9533.05 | 9816.21 | |
| | (8) | | 7 | 165.18 | 448.34 | 731.50 | 1014.66 | 1587.02 1580.08 | 1864.14 | 2147.30 | 2430.46 | 2713.62 | 2996.78 | 3279.94 | 3563.10 | 4129.42 | 4412.58 | 4695.74 | 4978.90 | 5262.06 | 5828.38 | 6111.54 | 6394.70 | 6677.86 | 6961.02 | 7244.18 | 7527.34 | 7810.50 | 8278 82 | 9570.02 8650.08 | 8943 14 | 9226.30 | 9509.46 | 9792.62 | 10075.78 |
| | 076 harre | | 9 | 141.58 | 424.74 | 707.90 | 991.06 | 1557 30 | 1840.54 | 2123.70 | 2406.86 | 2690.02 | 2973,18 | 3256.34 | 3539.50 | 4105.82 | 4388.98 | 4672.14 | 4955.30 | 5238.46 | 5804 78 | 6087.94 | 6371.10 | 6654.26 | 6937.42 | 7220.58 | 7503.74 | 7786.90 | 80/0.06 | 863638 | 8010,30 | 9202 70 | 9485.86 | 9769.02 | 10052,18 |
| TANK L 12 | 7" HIGH (10 076 barrels | Inches | 2 | 117.98 | 401.14 | 684.30 | 967.46 | 1250.62 | 1816.94 | 2100.10 | 2383.26 | 2666.42 | 2949.58 | 3232.74 | 3515.90 | 4082 22 | 4365.38 | 4648.54 | 4931.70 | 5214.86 | 5784 4B | 6064.34 | 6347.50 | 99.0699 | 6913.82 | 7196.98 | 7480.14 | 7763.30 | 8046.46 | 8328.02 0642.70 | 0017.70 | 9170 10 | 9462.76 | 9745.42 | 10028.58 |
| | 10 X 25 | 3 | 4 | 94.39 | 377.55 | 660.71 | 943.87 | 1227.03 | 1793.35 | 2076.51 | 2359.67 | 2642.83 | 2925.99 | 3209.15 | 3492.31 | 4058 63 | 4341.79 | 4624.95 | 4908.11 | 5191.27 | 04/4/40 | 6040.75 | 6323,91 | 6607.07 | 6890.23 | 7173.39 | 7456.55 | 7739.71 | 8022.87 | 8306.03 | 0008.18 | 98/2.30 | 9438 67 | 9721.83 | 10004.99 |
| | 7E' O" | | 65 | 70.79 | 353,95 | 637.11 | 920.27 | 1203.43 | 1769.75 | 2052.91 | 2336.07 | 2619.23 | 2902.39 | 3185.55 | 3468.71 | 4035 03 | 4318.19 | 4601.35 | 4884.51 | 5167.67 | 2450.83 | 6017.15 | 6300,31 | 6583.47 | 6866.63 | 7149.79 | 7432.95 | 7716.11 | 7999.27 | 8282.43 | 8000000 | 012101 | 9415.07 | 9698 23 | 9981.39 |
| | | | 2 | 47.19 | 330,35 | 613.51 | 896.67 | 1179.83 | 1746 15 | 2029.31 | 2312.47 | 2595.63 | 2878.79 | 3161.95 | 3445.11 | 3/28.2/ | 4294 59 | 4577.75 | 4860.91 | 5144.07 | 5427.73 | 5993.55 | 6276,71 | 6559.87 | 6843.03 | 7126.19 | 7409.35 | 7692.51 | 7975.67 | 8258.83 | 8541.98 | 8825.15 | 9301 47 | 9674 63 | 9957.79 |
| - | | | • | 23.59 | 306.76 | 589.92 | 873.08 | 1156.24 | 1438.40 1722 56 | 2005 72 | 2288.88 | 2572.04 | 2855.20 | 3138.36 | 3421.52 | 3/04.68 | 4271 00 | 4554.16 | 4837.32 | 5120.48 | 5403.64 | 5080.80 | 6253.12 | 6536.28 | 6819.44 | 7102.60 | 7385.76 | 7668.92 | 7952.08 | 8235.24 | 8518.40 | 8801.56 | 9004.72 0367 88 | 9507.00 | 9934.20 |
| | | | c | • | 283.16 | 566.32 | 849.48 | 1132.64 | 1415.80 | 1982 12 | 2265.28 | 2548.44 | 2831.60 | 3114.76 | 3397.92 | 3681.08 | 4247 40 | 4530.56 | 4813.72 | 5096.88 | 5380.04 | 5946 36 | 6229 52 | 6512.68 | 6795.84 | 7079.00 | 7362.16 | 7645.32 | 7928.48 | 8211.64 | 8494.80 | 8777.96 | 9001.12 | 9344.20 | 9910.60 |
| - | + | | Foot | 3 0 | , - | 2 | 3 | 4 | 2 0 |) - | - 00 | 6 | 10 | 11 | 12 | 13 | ‡ 4. | 16 | 17 | 18 | 6 | 2 2 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 58 | 30 | 31 | 75 6 | 24 | 35 |

| t | | | | | | TANK M13 | | - | | | | | |
|------|----------|---------|---------|---------|--|-------------|-------------|----------|-------------------|--------------------|---------|----------------------|------------|
| | | | 1 | 42, 6 | 42' 6" I.D. X 40' 3" HIGH (10,017 barrels) | 3" HIGH (10 | ,017 barrel | (S) | | | | | |
| T | | | | | | Inches | | | | | | | |
| Foot | - | - | 2 | 63 | 4 | မ | 9 | 7 | 8 | ြ | 9 | = | Feet |
| | | 21.05 | 42.11 | 63.16 | 84.21 | 105.27 | 126.32 | 147.37 | 168.43 | 189.48 | 210.53 | 231.59 | ۰ ح |
| | 252 B4 | 273 69 | 294 75 | 315.80 | 336.85 | 357.91 | 378.96 | 400.01 | 421.07 | 442.12 | 463.17 | 484.23 | - |
| T | 505.04 | 526 33 | 547.39 | 568.44 | 589.49 | 610,55 | 631.60 | 652.65 | 673.71 | 694.76 | 715.81 | 736.87 | 7 |
| | 757 92 | 778 97 | 800.03 | 821.08 | 842.13 | 863.19 | 884.24 | 905.29 | 926.35 | 947.40 | 968.45 | 989.51 | , le |
| T | 1010 56 | 1031.61 | 1052.67 | 1073.72 | 1094.77 | 1115.83 | 1136.88 | 1157.93 | 1178.99 | 1200.04 | 1221.09 | 1242.15 | 4 |
| Г | 1263.20 | 1284.25 | 1305.31 | 1326.36 | 1347.41 | 1368.47 | 1389.52 | 1410.57 | 1431.63 | 1452.68 | 1473.73 | 1494.79 | 0 |
| | 1515.84 | 1536,89 | | 1579.00 | 1600.05 | 1621.11 | 1642.16 | 1663.21 | 1684.27 | 1705.32 | 1/20.3/ | 3,47 | 2 |
| | 1768 48 | 1789.53 | 1 | 1831.64 | 1852.69 | 1873.75 | 1894.80 | 1915.85 | 1936.91 | 1957.96 | 1979.01 | /00007 | - |
| T | 2021 12 | 2042 17 | 2063 23 | 2084.28 | 2105.33 | 2126.39 | 2147.44 | 2168.49 | 2189.55 | 2210.60 | 2231.65 | 2252.71 | 00 |
| | 27.3.76 | 1 | 2315,87 | 2336.92 | 2357.97 | 2379.03 | 2400.08 | 2421.13 | 2442.19 | 2463.24 | 2484.29 | 2505.35 | s |
| | 2526.40 | 1 | | 2589,56 | 2610.61 | 2631.67 | 2652.72 | 2673.77 | 2694.83 | 2715.88 | 2736.93 | 2757.99 | 2 |
| | 2779.04 | 1 | | 2842.20 | 2863.25 | 2884.31 | 2905.36 | 2926.41 | 2947.47 | 2968.52 | 2989.57 | 3010.63 | - 5 |
| 12 | 3031.68 | 1 | Į. | 3094.84 | 3115.89 | 3136.95 | 3158,00 | 3179.05 | 3200.11 | 3221.16 | 3242.21 | 3263.27 | 72 |
| 13 | 3284,32 | 1 | ļ | 3347.48 | 3368.53 | 3389,59 | 3410.64 | 3431.69 | 3452.75 | 3473.80 | 3494,85 | 3010.91 | 2 2 |
| 14 | 3536,96 | 3558.01 | l | 3600.12 | 3621.17 | 3642.23 | 3663.28 | 3684,33 | 3705.39 | 3726.44 | 3/4/48 | 3/00/30 | ī, |
| | 3789.60 | | l | 3852.78 | 3873.81 | 3894.87 | 3915.92 | 3936.97 | 3958.03 | 39/9:08 | 500.3 | 4021.18 | 2 9 |
| 8 | 4042.24 | 1 | ļ | l | 4126.45 | 4147.51 | 4168.56 | 4189.61 | 4210.67 | 4231.72 | 4232.77 | 427.3.03 45.05.47 | 4 |
| | 4294.88 | i | | | | 4400.15 | 4421.20 | 4442.25 | 4403.31 | 101.30 | 4200.4 | 4720.47 | - 6 |
| | 4547.52 | 4568.57 | l | | | 4652.79 | 4673.84 | 4694,89 | 4/15.95 | W.757.00 | 4/30.03 | 5024 7E | 2 5 |
| | 4800.16 | | . 1 | 4863.32 | - 1 | 4905.43 | 4926.48 | 2007 | #800.08 FOO.09 | 4803.04 E242.28 | 50.00 | 5284 30 | 20 |
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| | I.D. X 35' | | 4 | 47.74 | 190.96 | 334.18 | 477.40 | 620.62 | 763.84 | 90.7.06 | 1050.28 | 1193.50 | 1336.72 | 1479.94 | 1623.16 | 1766.38 | 1909,60 | 2052.82 | 2196.04 | 2339.26 | 2482.48 | 2625.70 | 2768.92 | 2912.14 | 3055.36 | 3198.58 | 3341.80 | 3485.02 | 3628.24 | 3771.46 | 3914.68 | 4057.90 | 4201.12 | 4344.34 | 4487.56 | 4630.78 | 4774.00 | 4917.22 | 5060.44 |
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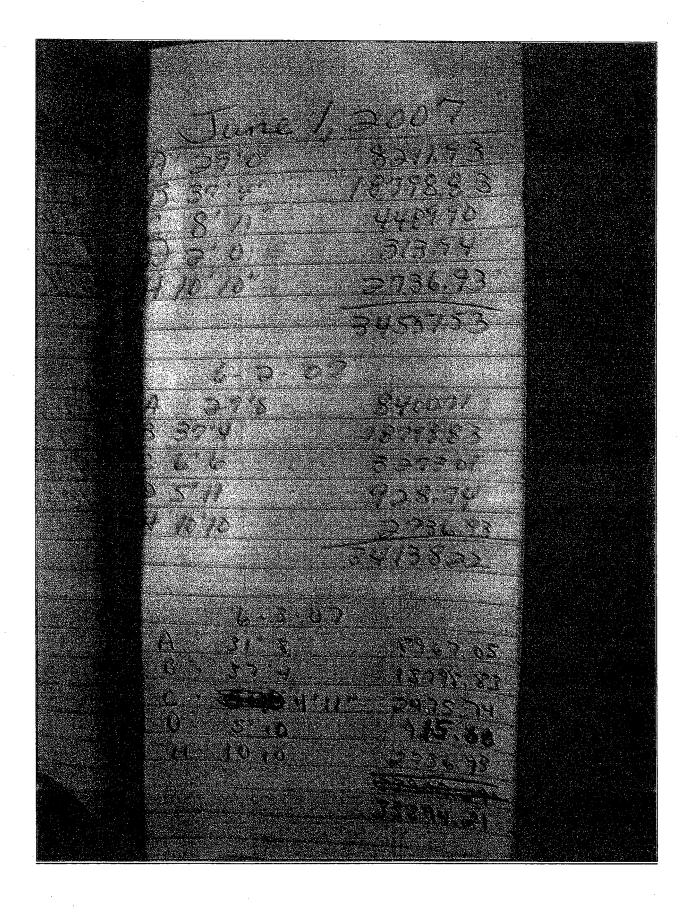
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